



Epigenetics



Antibodies

Quality Antibodies
Quality Results





The Company

GeneTex produces high quality antibodies validated through extensive research, development, and testing. Our staff and researchers have collectively earned a trusted reputation from the research community for the quality and reliability of our antibodies. The secret to our success is the complementation of scientific expertise and production mastery in our state-of-the-art laboratory and animal facility.

Our facility provides large-scale antibody production capabilities, which employ highly specific antigen affinity purification. This has facilitated the establishment of a comprehensive antibody collection covering a wide spectrum of research fields.

Because of GeneTex's extensive experience in antibody manufacturing, we are uniquely able to serve the demands of the scientific community by providing accurate technical support and reliable customer service.



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Application Key

- ChIP** – Chromatin immunoprecipitation
- Dot** – Dot blot
- ELISA** – Enzyme-linked immunosorbent assay
- I-ELISA** – Indirect enzyme-linked immunosorbent assay using antigen
- FACS** – Fluorescence-activated cell sorting
- ICC/IF** – Immunocytochemistry / Immunofluorescence
- IHC** – Immunohistochemistry
- IHC-Fr** – Immunohistochemistry- Frozen sections
- IHC-M** – Immunohistochemistry- Methylmethacrylate sections
- IHC-P** – Immunohistochemistry- Paraffin-embedded sections
- IP** – Immunoprecipitation
- MeDIP** – Methylated DNA immunoprecipitation
- WB** – Western Blot
- WB-Ag** – Western Blot with antigen

Host & Reactivity Key

- | | |
|-------------------------|----------------------------|
| Amph – Amphibian | Pig – Pig |
| Chicken – Chk | Plnt – Plant |
| Cow – Cow | Plant – Plnt |
| Dm – Drosophila | Rat – Rat |
| Dog – Dog | Rb – Rabbit |
| Gt – Goat | Sh – Sheep |
| Hm – Hamster | Vt – Vertebrate |
| Hu – Human | Zfsh – Zebrafish |
| Mamm – Mammal | Xl – Xenopus laevis |
| Mk – Monkey | Y – Yeast |
| Ms – Mouse | |

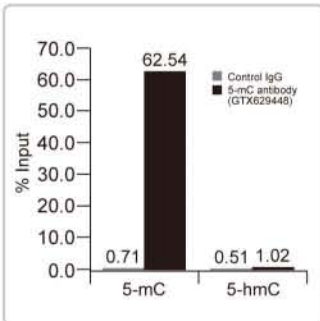
DNA Modification

DNA methylation involves the chemical modification of cytosine residues (5mc) through the addition of a methyl group. This modification regulates gene expression without altering the DNA sequence, and is carried out by two classes of function-opposing enzymes: DNA methyltransferases (DNMTs) and methylcytosine dioxygenase (Ten Eleven Translocation; TETs). The methylated DNA is recognized by methyl-CpG-binding domain proteins (MBDs) which recruit chromatin remodeling protein complex to form compact, inactive chromatin, resulting in transcriptional repression. Accumulating studies have demonstrated that dysfunctional controls of DNA methylation are associated with various diseases including cancer.

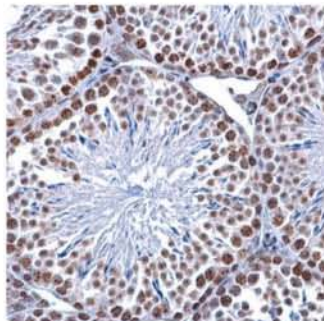
5-mC & 5-hmC Antibody

Citation

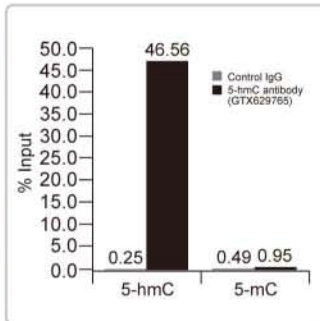
	Cat. No.	Product	Host & Clonality	Reactivity	Application
5-mC	GTX629448	5-Methylcytosine antibody [GT4111] – MeDIP grade	Ms mAb	Other	MeDIP, Dot, IHC-P
5-hmC	GTX629765	5-Hydroxymethylcytosine antibody – MeDIP grade	Ms mAb	Other	MeDIP, IHC-P



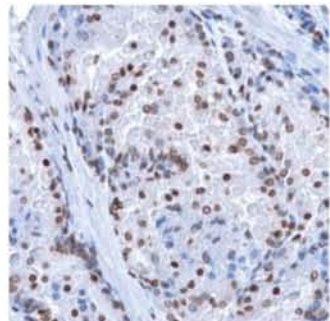
5-Methylcytosine antibody [GT4111] – MeDIP grade (GTX629448)
MeDIP analysis with 5-mC antibody on human genomic DNA mixed with 5-methylcytosine or 5-hydroxymethylcytosine DNA fragment.



5-Methylcytosine antibody [GT4111] – MeDIP grade (GTX629448)
IHC-P analysis with 5mC antibody on mouse testis tissue.



5-Hydroxymethylcytosine antibody – MeDIP grade (GTX629765)
MeDIP analysis with 5-hmC antibody on human genomic DNA mixed with 5-hydroxymethylcytosine or 5-methylcytosine DNA fragment.



5-Hydroxymethylcytosine antibody – MeDIP grade (GTX629765)
IHC-P analysis with 5hmC antibody on mouse prostate tissue.

DNA Methyltransferase (DNMT)

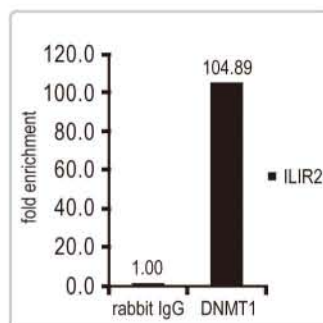
Citation

	Cat. No.	Product	Host & Clonality	Reactivity	Application
DNMT1	GTX116011	DNMT1 antibody [N1], N-term	Rb pAb	Hu	ICC/IF, IHC-P, IP, WB, ChIP assay
	GTX48548	DNMT1 antibody [60B1220.1]	Ms mAb	Hu, Ms, Zfish	IHC-P, IP, WB, ChIP assay
	GTX88801	DNMT1 antibody, Internal	Gt pAb	Hu	ELISA, IHC-P, WB
	GTX14290	DNMT1 antibody	Chk pAb	Hu	WB
DNMT3A	GTX129125	DNMT3A antibody	Rb pAb	Hu	ICC/IF, IP, WB
	GTX129126	DNMT3A antibody	Rb pAb	Hu	IP, WB
	GTX13887	DNMT3A antibody [64B814]	Ms mAb	Hu, Ms	IHC, WB
	GTX14291	DNMT3A antibody	Chk pAb	Hu, Ms, Rat	WB

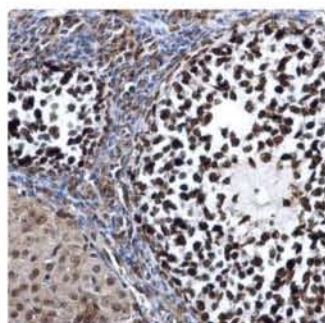
DNA Methyltransferase (DNMT)

Citation

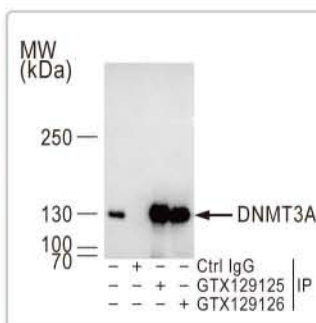
	Cat. No.	Product	Host & Clonality	Reactivity	Application
DNMT3B	GTX129127	DNMT3B antibody	Rb pAb	Hu	IP, WB
	GTX50966	DNMT3B antibody [52A1018]	Ms mAb	Hu, Ms	ICC/IF, IHC-P, IP, WB, ChIP assay
DNMT3L	GTX115985	DNMT3L antibody [N1C1]	Rb pAb	Hu	ICC/IF, WB
	GTX42020	DNMT3L antibody [S117-9]	Ms mAb	Hu	ICC/IF, IP, WB



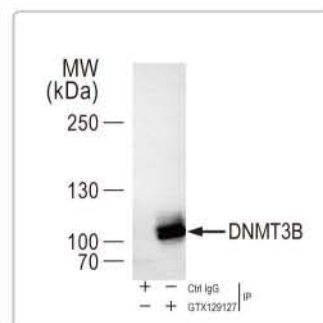
DNMT1 antibody [N1, N-term] (GTX116011)
ChIP analysis with DNMT1 antibody on chromatin extract of HCT116 cells.



DNMT3A antibody (GTX129125)
IHC-P analysis with DNMT3A antibody on mouse ovary tissue.



DNMT3A antibody (GTX129125)
IP analysis with DNMT3A antibody on whole cell extracts of 293T cells.

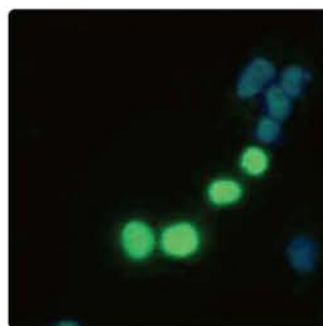


DNMT3B antibody (GTX129127)
IP analysis with DNMT3B antibody on nuclear extracts of K562 cells.

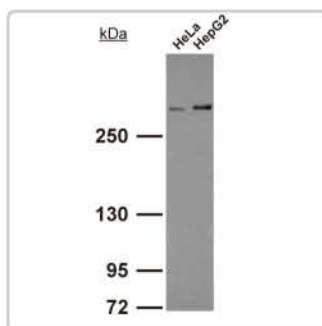
Methylcytosine Dioxygenase (TET)

Citation

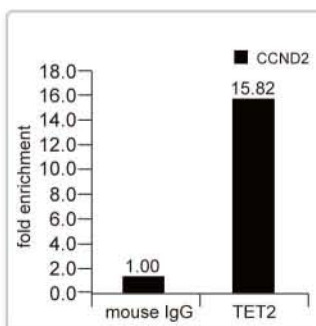
	Cat. No.	Product	Host & Clonality	Reactivity	Application
TET1	GTX124207	TET1 antibody [N3C1]	Rb pAb	Hu, Ms	ICC/IF, IHC, IHC-P, WB, ChIP assay
	GTX125888	TET1 antibody [N1], N-term	Rb pAb	Hu, Ms	ICC/IF, WB
	GTX627420	TET1 antibody [GT1462]	Ms mAb	Hu	ICC/IF, IHC-P, IP, WB, ChIP assay
TET2	GTX629881	TET2 antibody [GT649]	Ms mAb	Hu	IP, WB, ChIP assay
	GTX124204	TET2 antibody [N2], N-term	Rb pAb	Hu	ICC/IF, IP, WB, ChIP assay
	GTX124205	TET2 antibody [N2-2], N-term	Rb pAb	Hu	ICC/IF, IHC-P, IP, WB, ChIP assay
	GTX629881	TET2 antibody [GT649]	Ms mAb	Hu	IP, WB, ChIP assay
TET3	GTX121453	TET3 antibody [C3], C-term	Rb pAb	Hu, Ms, Xi, Bov	ICC/IF, IHC-P, IP, WB, IHC-Wm
	GTX628257	TET3 antibody [GT334]	Ms mAb	Hu	WB
	GTX628893	TET3 antibody [GT859]	Ms mAb	Hu	WB



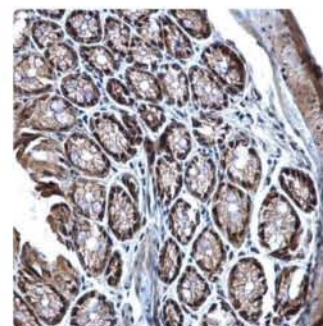
TET1 antibody [GT1462] (GTX627420)
ICC/IF analysis with TET1 antibody on 293T cells.



TET1 antibody [N3C1] (GTX124207)
WB analysis with TET1 antibody on whole cell lysates of HeLa cells (lane1) or HepG2 cells (lane2).



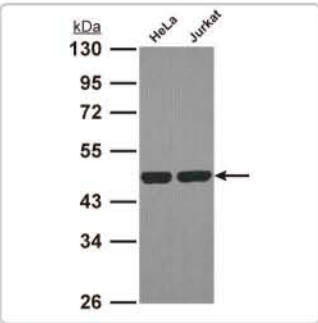
TET2 antibody [GT649] (GTX629881)
ChIP analysis with TET2 antibody on chromatin extract of HeLa cells.



TET3 antibody [C3], C-term (GTX121453)
IHC-P analysis with TET3 antibody on mouse colon tissue.

Methyl-CpG-binding Domain Protein

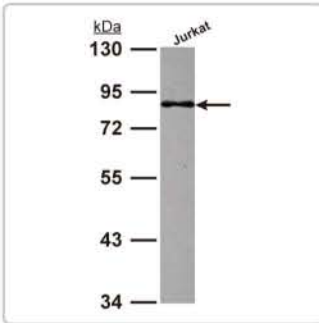
	Cat. No.	Product	Host & Clonality	Reactivity	Application
MECP2	GTX113230	MECP2 antibody	Rb pAb	Hu, Ms	ICC/IF, WB
	GTX82405	MECP2 antibody	Chk pAb	Hu, Ms, Rat	WB
	GTX82658	MeCP2 (phospho Ser80) antibody	Rb pAb	Hu, Ms, Rat	IHC, WB
MBD1	GTX110612	MBD1 antibody [N2C2], Internal	Rb pAb	Hu	WB
	GTX62737	MBD1 antibody [EPR3564]	Rb mAb	Hu	ICC/IF, IHC-P, IP, WB
	GTX60359	MBD1 antibody - ChIP grade	Rb pAb	Ms	ELISA, WB, ChIP assay
MBD2	GTX105622	MBD2 antibody [N2C3]	Rb pAb	Hu	WB
	GTX62868	MBD2 antibody [EPR3519]	Rb mAb	Hu	ICC/IF, IHC-M, IHC-P, WB
	GTX82965	MBD2 antibody	Rb pAb	Hu, Ms, Rat	WB
	GTX89182	MBD2 (isoform 1) antibody, Internal	Gt pAb	Hu	ELISA, IHC, IHC-P, WB
MBD3	GTX116204	MBD3 antibody [N1C3]	Rb pAb	Hu	WB
	GTX16309	MBD3 antibody [106B691]	Ms mAb	Hu	IHC, WB
MBD4	GTX129605	MBD4 antibody	Rb pAb	Hu	ICC/IF, WB



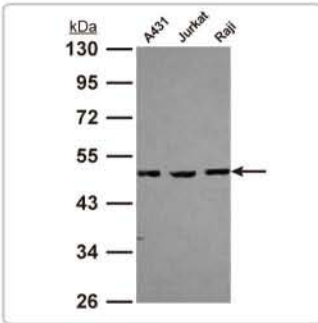
MECP2 antibody (GTX113230)
WB analysis with MECP2 antibody on whole cell lysate of A431 cells or Jurkat cells.



MECP2 antibody (GTX113230)
ICC/IF analysis with MECP2 antibody on A431 cells.



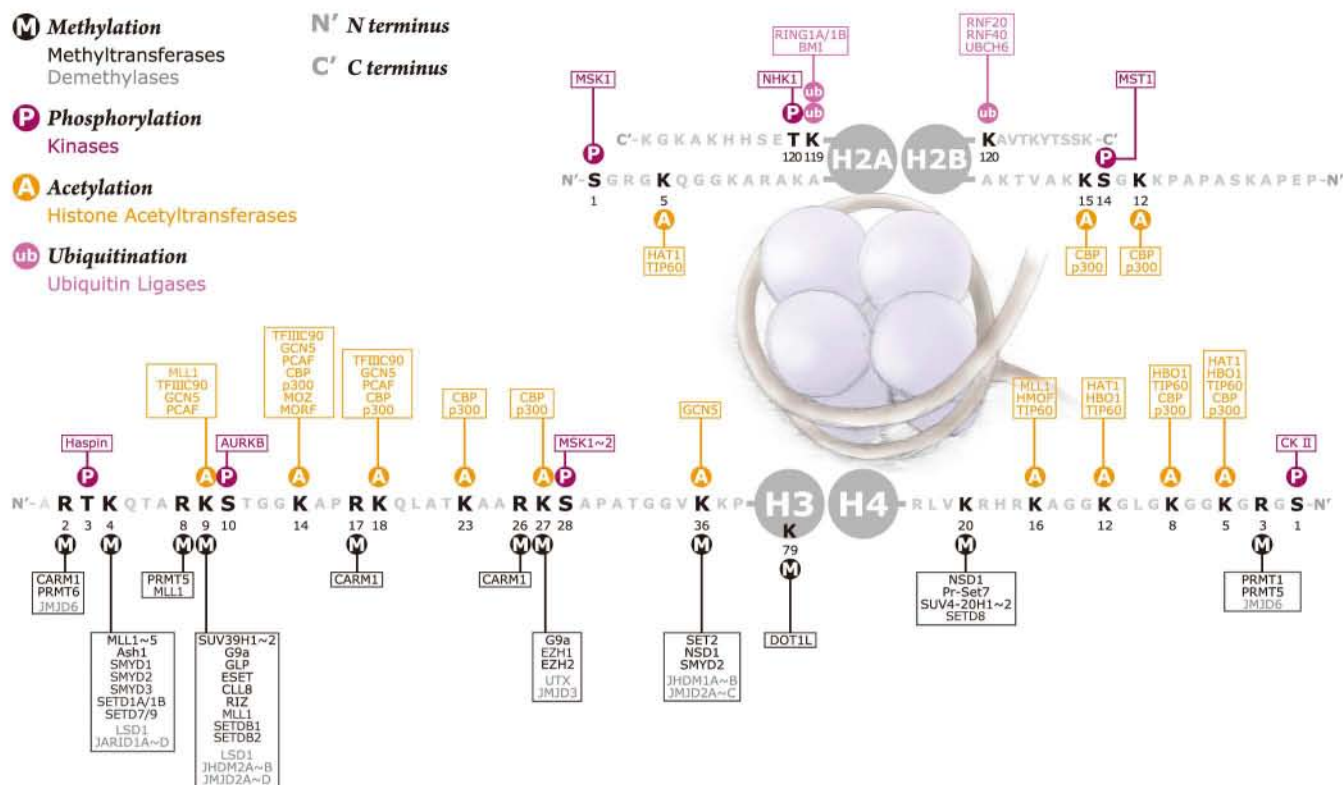
MBD1 antibody [N2C2], Internal (GTX110612)
WB analysis with MBD1 antibody on whole cell lysate of Jurkat cells.



MBD2 antibody [N2C3] (GTX105622)
WB analysis with MBD2 antibody on whole cell lysate of A431 cells, Jurkat cells, or Raji cells.

Histone Code

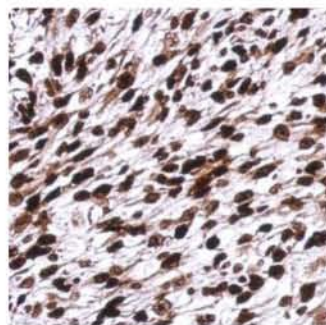
The nucleosome core particle is the fundamental structural unit of the eukaryotic genome. It consists of a histone octamer composed of two H2A-H2B dimers and a H3-H4 tetramer wrapped by ~146 base pairs of DNA. A linker histone (i.e., H1) associates with the nucleosomal dyad as well as with linker DNA on either side of the nucleosome, resulting in the formation of the chromatosome. All the core and linker histones are posttranslationally decorated, with at least 160 total modifications described to date including acetylation, methylation, phosphorylation, propionylation, citrullination, formylation, proline isomerization, butyrylation, ADP ribosylation, ubiquitylation, sumoylation, and the more recently identified glycosylation and crotonylation. These modifications are thought to impact chromatin functions by either altering chromatin packaging or through the recruitment/inhibition of specific chromatin binding factors. Thus, the combined signal from a particular collection of histone marks constitutes a "histone code" that affects gene expression or other chromatin-based functions.



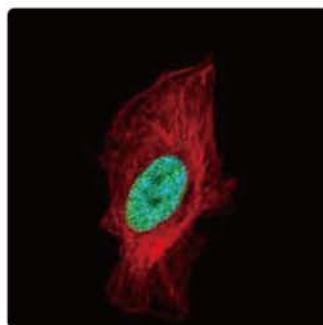
Histone H1 Antibody

Citation

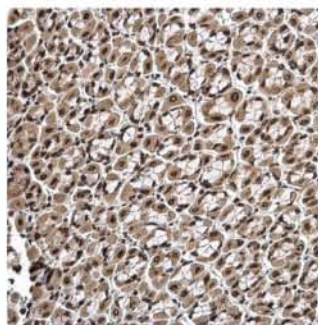
	Cat. No.	Product	Host & Clonality	Reactivity	Application
Unmodified	GTX114462	Histone H1.0 antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB
	GTX117055	Histone H1.1 antibody	Rb pAb	Hu	WB
	GTX122561	Histone H1.2 antibody	Rb pAb	Hu	ICC/IF, IHC-P, WB
	GTX104481	Histone H1.3 antibody	Rb pAb	Hu, Ms	ICC/IF, IHC-P
	GTX121670	Histone H1.4 antibody [N1N2], N-term	Rb pAb	Hu	IHC-P, WB
	GTX117438	Testis-specific H1 histone antibody	Rb pAb	Hu	WB
	C GTX117336	Histone H1t antibody [N1C3]	Rb pAb	Hu	WB
	GTX87506	Histone H1 antibody	Rb pAb	Hu, Ms	ELISA, ICC/IF, IHC, IHC-P, WB
	C GTX21938	Histone H1 antibody	Shp pAb	Ms, Mamm	ICC/IF, IHC, IP, WB
Acetylation	C GTX37669	Histone H1 antibody	Rb pAb	Hu, Ms, Rat	ELISA, WB
Phosphorylation	C GTX89006	Histone H1K25ac (acetyl Lys25) antibody	Rb pAb	Hu	ELISA, IHC, IHC-P, WB
	C GTX121669	Histone H1S35ph (phospho Ser35) antibody	Rb pAb	Hu	ICC/IF, IHC-P, WB



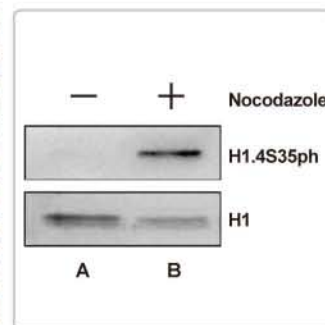
Histone H1.0 antibody (GTX114462)
IHC-P analysis with Histone H1.0 antibody on C2C12 xenograft.



Histone H1.2 antibody (GTX122561)
ICC/IF analysis with Histone H1.2 antibody on HeLa cells.



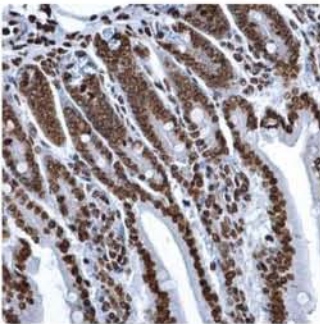
Histone H1.3 antibody (GTX104481)
IHC-P analysis with Histone H1.3 antibody on mouse stomach tissue.



Histone H1S35ph (phospho Ser35) antibody (GTX121669)
WB analysis with Histone H1S35ph antibody on acid-extracted histones from HeLa cells treated with/ without nocodazole.

Histone H2A Antibody

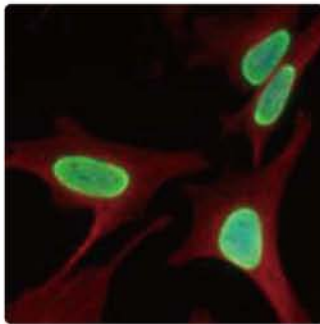
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Unmodified	GTX129418	Histone H2A antibody	Rb pAb	Hu, Ms, Rat	IHC-P, WB
	GTX81004	Histone H2A type 1H antibody, N-term	Rb pAb	Hu	ELISA, FACS, IHC, IHC-P, WB
	GTX60347	Histone H2A antibody - ChIP grade	Rb pAb	Hu	Dot, ELISA, ChIP assay
	GTX102073	Histone H2A.V antibody	Rb pAb	Hu, Ms	ICC/IF, WB
	GTX108272	Histone H2A.X antibody	Rb pAb	Hu	ICC/IF, IHC-P, IP, WB
	GTX108297	Histone H2A.X antibody [N1N2], N-term	Rb pAb	Hu	IHC-P, WB
	GTX127343	Histone H2A.X antibody	Rb pAb	Zfish	IHC-Wm
	GTX62983	Histone H2A.X antibody [EPR895]	Rb mAb	Hu, Ms, Rat	ICC/IF, IHC-M, IHC-P, WB
	GTX108298	Histone H2A.Z antibody	Rb pAb	Hu	ICC/IF, IHC-P, WB
	GTX60812	Histone H2A.Z antibody - ChIP grade	Rb pAb	Hu	ELISA, ICC/IF, WB, ChIP assay, ChIP-seq
Acetylation	GTX63622	Histone H2A.Z antibody [EPR6172]	Rb mAb	Hu, Ms, Rat	IHC, IHC-P, WB
	GTX60812	Histone H2A.Z antibody - ChIP grade	Rb pAb	Hu	ELISA, ICC/IF, WB, ChIP assay, ChIP-seq
	GTX128961	Histone H2AK5ac (acetyl Lys5) antibody	Rb pAb	Hu	Dot, ICC/IF, IP, WB
	GTX61409	Histone H2AK5ac (acetyl Lys5) antibody [EP856Y], N-term	Rb mAb	Hu, Ms, Rat	ICC/IF, IHC-M, IHC-P, IP, WB
	GTX60813	Histone H2A.Z (acetyl Lys5/Lys7/Lys11) antibody - ChIP grade	Rb pAb	Hu, Ms	Dot, ELISA, ICC/IF, WB, ChIP assay, ChIP-seq
Phosphorylation	GTX127340	Histone H2A.XS139ph (phospho Ser139) antibody	Rb pAb	Hu, Ms	ICC/IF, WB
	GTX628789	Histone H2A.XS139ph (phospho Ser139) antibody [GT2311]	Ms mAb	Hu, Ms	ICC/IF, IP, WB
	GTX61796	Histone H2A.XS139ph (phospho Ser139) antibody [EP854(2)Y]	Rb mAb	Hu, Ms, Rat	ICC/IF, IHC-M, IHC-P, WB
	GTX127342	Histone H2A.XS139ph (phospho Ser139) antibody	Rb pAb	Zfish	IHC, IHC-P, IHC-Wm
	GTX48733	Histone H2A.VS137ph (phospho Ser137) antibody	Rb pAb	Dm	ELISA, WB



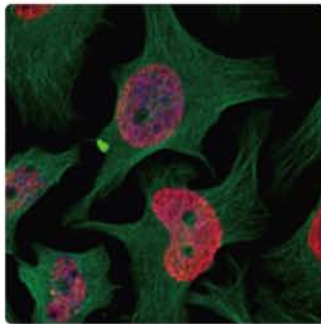
Histone H2A antibody (GTX129418)
IHC-P analysis with Histone H2A antibody on mouse intestine tissue.



Histone H2A.X antibody (GTX108272)
IHC-P analysis with Histone H2A.X antibody on mouse prostate tissue.



Histone H2AK5ac (acetyl Lys5) antibody (GTX128961)
ICC/IF analysis with Histone H2AK5ac antibody on HeLa cells treated with 0.4M Trichostatin A.



Histone H2A.XS139ph (phospho Ser139) antibody [GT2311] (GTX628789)
ICC/IF analysis with Histone H2A.XS139ph antibody on HeLa cells treated with cisplatin.

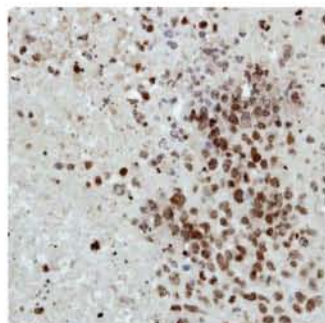
Histone H2B Antibody

	Cat. No.	Product	Host & Clonality	Reactivity	Application
Unmodified	GTX115955	Histone H2B antibody	Rb pAb	Hu	ICC/IF, IHC-P, WB
	GTX129434	Histone H2B antibody	Rb pAb	Hu, Ms	WB
	GTX87385	Histone H2B antibody	Rb pAb	Hu, Ms	ELISA, ICC/IF, IHC, IHC-P, WB
	GTX61374	Histone H2B antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC-P, IP, WB
	GTX21790	Histone H2B antibody	Rb pAb	Hu, Rat, At, Mamm	ICC/IF, WB, ChIP assay
	GTX60346	Histone H2B antibody - ChIP grade	Rb pAb	Hu	Dot, ELISA, ChIP assay
	GTX61423	Histone H2B antibody [EP819Y]	Rb mAb	Hu, Ms	IHC-M, IHC-P, IP, WB
	GTX61455	Histone H2B antibody [EP957Y]	Rb mAb	Hu, Ms, Rat	ICC/IF, IHC-M, IHC-P, IP, WB
	GTX61979	Histone H2B Type 1B antibody [EP2327], N-term	Rb mAb	Hu	ICC/IF, IHC-P, WB
	GTX26689	Histone H2B antibody	Rb pAb	Mamm	ELISA, ICC/IF, IP, WB
Acetylation	GTX40618	Histone H2B antibody	Shp pAb	Cow	ELISA, WB
	GTX59545	Histone H2B (acetyl) antibody	Rb pAb	Hu, Ms, Rat	IHC, IP, WB
	GTX88015	Histone H2BK5ac (acetyl Lys5) antibody	Rb pAb	Hu, Ms	ELISA, ICC/IF, IHC, IHC-P
	GTX128963	Histone H2BK5ac (acetyl Lys5) antibody	Rb pAb	Hu	Dot, ICC/IF, WB
	GTX61384	Histone H2BK5ac (acetyl Lys5) antibody [EP857Y]	Rb mAb	Hu, Ms, Rat	ICC/IF, IHC-M, IHC-P, IP, WB
	GTX88011	Histone H2BK12ac (acetyl Lys12) antibody	Rb pAb	Hu, Ms	ELISA, ICC/IF, IHC, IHC-P, WB
	GTX61377	Histone H2BK12ac (acetyl Lys12) antibody [EP858Y]	Rb mAb	Hu	ICC/IF, IHC-P, WB

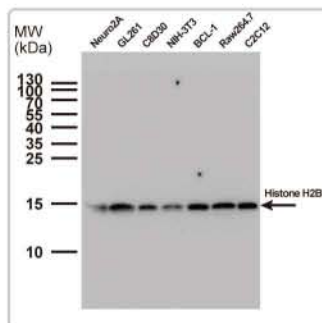
Histone H2B Antibody

Citation

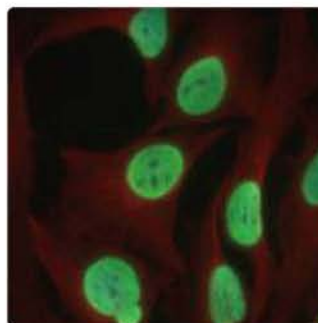
	Cat. No.	Product	Host & Clonality	Reactivity	Application
Acetylation	GTX88002	Histone H2BK15ac (acetyl Lys15) antibody	Rb pAb	Hu, Ms	ELISA, ICC/IF, IHC, IHC-P, WB
	GTX61756	Histone H2BK15ac (acetyl Lys15) antibody [EP955Y]	Rb mAb	Hu, Ms, Rat	ICC/IF, IHC-M, IHC-P, WB
	GTX128962	Histone H2BK20ac (acetyl Lys20) antibody	Rb pAb	Hu	Dot, ICC/IF, IP, WB
	GTX61427	Histone H2BK20ac (acetyl Lys20) antibody [EP859Y]	Rb mAb	Hu, Ms, Rat	FACS, ICC/IF, IHC-M, IHC-P, IP, WB



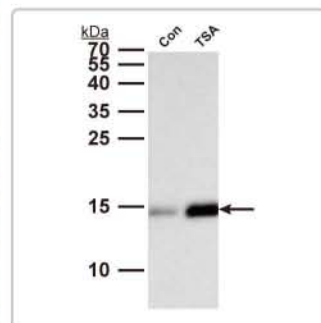
Histone H2B antibody (GTX115955)
IHC-P analysis with Histone H2B antibody on H1299 xenograft.



Histone H2B antibody (GTX129434)
WB analysis with Histone H2B antibody on whole cell lysates.



Histone H2BK5ac (acetyl Lys5) antibody (GTX128963)
ICC/IF analysis with Histone H2BK5ac antibody on HeLa cells treated with 0.4M Trichostatin A.



Histone H2BK20ac (acetyl Lys20) antibody (GTX128962)
WB analysis with Histone H2BK20ac antibody on whole cell lysate of HeLa cells treated with/ without 0.4M Trichostatin A.

Histone H3 Antibody

Citation

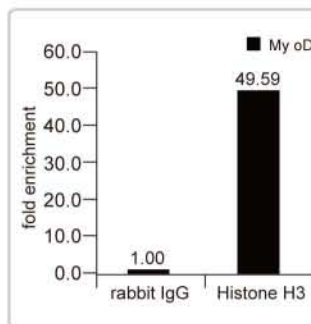
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Unmodified	GTX122148	Histone H3 antibody	Rb pAb	Hu, Mk, Rice	ICC/IF, IHC-P, IP, WB, ChIP assay
	GTX129546	Histone H3 antibody	Rb pAb	Ms, Rat	IHC-P
	GTX129552	Histone H3 antibody	Rb pAb	Hu	WB
	GTX27834	Histone H3 antibody	Shp pAb	Hu, Bov	IHC-P, IP, WB
	GTX37670	Histone H3 antibody	Rb pAb	Hu, Ms, Rat	ELISA, ICC/IF, IHC-P, WB
	GTX52367	Histone H3 antibody	Rb pAb	Hu, Ms, Rat	IHC, WB
	GTX60349	Histone H3 antibody - ChIP grade	Rb pAb	Hu	Dot, ELISA, WB, ChIP assay
	GTX27031	Histone H3 antibody [H3-P]	Ms mAb	Hu	Dot, FACS, I-ELISA, ICC/IF, WB
	GTX10543	Histone H3 antibody [HTA28]	Rat mAb	Hu, Ms, Cow, Hm	FACS, ICC/IF, WB
	GTX122647	Histone H3.1 antibody	Rb pAb	Hu	WB
	GTX127985	Histone H3.1 antibody	Rb pAb	Hu	IHC-P, WB
	GTX50481	Histone H3.1 antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, WB
	GTX110653	Histone H3.1t antibody [N1C3]	Rb pAb	0	WB-Ag
	GTX80943	Histone H3.1t antibody, N-term	Rb pAb	Hu	ELISA, WB
	GTX101754	Histone H3.3 antibody	Rb pAb	Hu, Ms	ICC/IF, WB
	GTX112955	Histone H3.3 antibody	Rb pAb	Hu, Ms, Rat, Rice	IHC-P, WB
	GTX115549	Histone H3.3B antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB
Methylation	GTX60350	Histone H3K27me1 (monomethyl Lys27) antibody - ChIP grade	Rb pAb	Hu	Dot, ELISA, ICC/IF, WB, ChIP assay
	GTX60351	Histone H3K27me2 (dimethyl Lys27) antibody - ChIP grade	Rb pAb	Hu	Dot, ELISA, ICC/IF, WB, ChIP assay
	GTX60816	Histone H3K27me3 (trimethyl Lys27) antibody - ChIP grade	Rb pAb	Hu, Ms	Dot, ELISA, ICC/IF, WB, ChIP assay, ChIP-seq
	GTX121184	Histone H3K27me3 (trimethyl Lys27) antibody [MAB10333]	Rb pAb	Hu	ICC/IF, IHC-P, WB
	GTX50901	Histone H3K27me3 (trimethyl Lys27) antibody [MAB10323]	Ms mAb	Hu	ELISA, ICC/IF, WB, ChIP assay
	GTX60354	Histone H3K36me1 (monomethyl Lys36) antibody - ChIP grade	Rb pAb	Hu	Dot, ELISA, ICC/IF, WB, ChIP assay
	GTX60372	Histone H3K36me2 (dimethyl Lys36) antibody - ChIP grade	Rb pAb	Hu	Dot, ELISA, ICC/IF, WB, ChIP assay, ChIP-seq
	GTX630555	Histone H3K36me2 (dimethyl Lys36) antibody [GT1488]	Ms mAb	Hu	WB
	GTX60817	Histone H3K36me3 (trimethyl Lys36) antibody - ChIP grade	Rb pAb	Hu, Ms	Dot, ELISA, ICC/IF, WB, ChIP assay, ChIP-seq
	GTX50908	Histone H3K36me3 (trimethyl Lys36) antibody [MAB10333]	Ms mAb	Hu	ELISA, ICC/IF, WB, ChIP assay
	GTX60818	Histone H3K4me1 (monomethyl Lys4) antibody - ChIP grade	Rb pAb	Hu, Ms	Dot, ELISA, ICC/IF, WB, ChIP assay, ChIP-seq
	GTX50902	Histone H3K4me1 (monomethyl Lys4) antibody [MAB10302]	Ms mAb	Hu	ELISA, ICC/IF, WB, ChIP assay
	GTX121915	Histone H3K4me2 (dimethyl Lys4) antibody	Rb pAb	Hu	ICC/IF, IHC-P, IP, WB, ChIP assay
	GTX60819	Histone H3K4me2 (dimethyl Lys4) antibody - ChIP grade	Rb pAb	Hu	Dot, ELISA, ICC/IF, WB, ChIP assay, ChIP-seq
	GTX61105	Histone H3K4me2 (dimethyl Lys4) antibody [Y47]	Rb mAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB
	GTX128954	Histone H3K4me3 (trimethyl Lys4) antibody	Rb pAb	Hu, Ms, Rat	Dot, ICC/IF, IHC-P, WB

Histone H3 Antibody

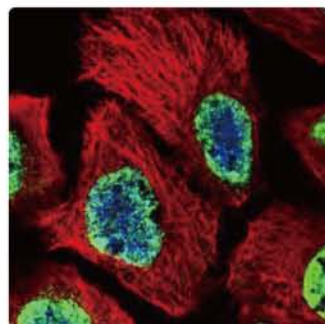
	Cat. No.	Product	Host & Clonality	Reactivity	Application
Methylation	GTx60820	Histone H3K4me3 (trimethyl Lys4) antibody - ChIP grade	Rb pAb	Hu	Dot, ELISA, ICC/IF, WB, ChIP assay, ChIP-seq
	GTx50897	Histone H3K4me3 (trimethyl Lys4) antibody [MAB10304]	Ms mAb	Hu	ELISA, ICC/IF, WB, ChIP assay
	GTx60353	Histone H3K79me1 (monomethyl Lys79) antibody - ChIP grade	Rb pAb	Hu	Dot, ELISA, WB, ChIP assay
	GTx60821	Histone H3K79me1 (monomethyl Lys79) antibody - ChIP grade	Rb pAb	Hu	Dot, ELISA, WB, ChIP assay
	GTx60330	Histone H3K79me2 (dimethyl Lys79) antibody	Rb pAb	Hu	Dot, ELISA, ICC/IF, WB, ChIP assay, ChIP-seq
	GTx60336	Histone H3K79me3 (trimethyl Lys79) antibody - ChIP grade	Rb pAb	Hu, Ms	Dot, ELISA, WB, ChIP assay
	GTx12177	Histone H3K9me1 (monomethyl Lys9) antibody	Rb pAb	Hu, Ms, Cow, Rat, Xi	IHC-P, WB
	GTx129770	Histone H3K9me1 (monomethyl Lys9) antibody	Rb pAb	Hu	ICC/IF
	GTx60352	Histone H3K9me1 (monomethyl Lys9) antibody - ChIP grade	Rb pAb	Hu	Dot, ELISA, WB, ChIP assay
	GTx60356	Histone H3K9me1 (monomethyl Lys9) antibody - ChIP grade	Rb pAb	Hu	Dot, ELISA, ICC/IF, WB, ChIP assay
	GTx60357	Histone H3K9me2 (dimethyl Lys9) antibody - ChIP grade	Rb pAb	Hu, Ms	Dot, ELISA, ICC/IF, WB, ChIP assay
	GTx50899	Histone H3K9me2 (dimethyl Lys9) antibody [MAB10307]	Ms mAb	Hu	ELISA, ICC/IF, WB, ChIP assay
	GTx61106	Histone H3K9me2 (dimethyl Lys9) antibody [Y49]	Rb mAb	Hu, Ms, Rat	ICC/IF, WB
	GTx121677	Histone H3K9me3 (trimethyl Lys9) antibody	Rb pAb	Hu	WB
	GTx60824	Histone H3K9me3 (trimethyl Lys9) antibody - ChIP grade	Rb pAb	Hu, Ms	Dot, ELISA, ICC/IF, WB, ChIP assay, ChIP-seq
	GTx50900	Histone H3K9me3 (trimethyl Lys9) antibody [MAB10308]	Ms mAb	Hu	ELISA, ICC/IF, WB, ChIP assay
	GTx124113	Histone H3R17me2 (dimethyl Arg17) antibody	Rb pAb	Hu	Dot, IHC-P, WB
	GTx60344	Histone H3R17me2 (dimethyl Arg17) antibody - ChIP grade	Rb pAb	Hu	Dot, ELISA, WB, ChIP assay
	GTx60825	Histone H3R17me2K18ac (dimethyl Arg17, acetyl Lys18) antibody - ChIP grade	Rb pAb	Hu, Ms	Dot, ELISA, ICC/IF, WB, ChIP assay, ChIP-seq
	GTx124114	Histone H3R2me2 (dimethyl Arg2) antibody	Rb pAb	Hu	Dot, WB
Acetylation	GTx60355	Histone H3K4ac (acetyl Lys4) antibody - ChIP grade	Rb pAb	Hu	Dot, ELISA, ICC/IF, WB, ChIP assay
	GTx88008	Histone H3K14ac (acetyl Lys14) antibody	Rb pAb	Hu, Ms, Rat	ELISA, ICC/IF
	GTx61520	Histone H3K14ac (acetyl Lys14) antibody [EP964Y]	Rb mAb	Hu, Rat	ICC/IF, IHC-P, IP, WB
	GTx128943	Histone H3K18ac (acetyl Lys18) antibody	Rb pAb	Hu, Ms, Rat	Dot, ICC/IF, IHC-P, IP, WB, ChIP assay
	GTx60814	Histone H3K18ac (acetyl Lys18) antibody - ChIP grade	Rb pAb	Hu, Ms	Dot, ELISA, ICC/IF, WB, ChIP assay, ChIP-seq
	GTx61387	Histone H3K18ac (acetyl Lys18) antibody [EP959Y]	Rb mAb	Hu, Ms, Rat	ICC/IF, IHC-M, IHC-P, WB
	GTx88017	Histone H3K23ac (acetyl Lys23) antibody	Rb pAb	Hu, Ms, Rat	ELISA, ICC/IF, WB
	GTx128944	Histone H3K27ac (acetyl Lys27) antibody	Rb pAb	Hu, Ms, Rat	Dot, ICC/IF, IHC-P, IP, WB, ChIP assay
	GTx60815	Histone H3K27ac (acetyl Lys27) antibody - ChIP grade	Rb pAb	Hu, Ms	Dot, ELISA, ICC/IF, WB, ChIP assay, ChIP-seq
	GTx50903	Histone H3K27ac (acetyl Lys27) antibody [MAB10309]	Ms mAb	Hu	ELISA, ICC/IF, WB, ChIP assay
	GTx61722	Histone H3K56ac (acetyl Lys56) antibody [EPR996Y]	Rb mAb	Hu, Ms, Rat	ICC/IF, IHC-M, IHC-P, WB
	GTx12178	Histone H3K9ac (acetyl Lys9) antibody	Rb pAb	Hu, Ms, Cow, Rat, Xi	ICC/IF, IHC-P, WB
	GTx88007	Histone H3K9ac (acetyl Lys9) antibody	Rb pAb	Hu, Ms, Rat	ELISA, ICC/IF, IHC, IHC-P, WB
	GTx60823	Histone H3K9ac (acetyl Lys9) antibody - ChIP grade	Rb pAb	Hu	Dot, ELISA, WB, ChIP assay, ChIP-seq
	GTx12179	Histone H3K9ac (acetyl Lys9) antibody [AH3-120]	Ms mAb	Hu, Ms, Dm, Rat	ELISA, ICC/IF, IHC, WB
	GTx630554	Histone H3K9ac (acetyl Lys9) antibody [GT464]	Ms mAb	Hu	ICC/IF, WB
	GTx50898	Histone H3K9ac (acetyl Lys9) antibody [MAB10305]	Ms mAb	Hu	ICC/IF, IP, WB, ChIP assay
	GTx61103	Histone H3K9ac (acetyl Lys9) antibody [Y28]	Rb mAb	Hu, Ms, Rat	ICC/IF, IHC-M, IHC-P, IP, WB
	GTx122648	Histone H3K9K14ac (acetyl Lys9/Lys14) antibody	Rb pAb	Hu, Ms	Dot, ICC/IF, WB
	GTx60822	Histone H3K9K14ac (acetyl Lys9/Lys14) antibody - ChIP grade	Rb pAb	Hu, Ms	Dot, ELISA, ICC/IF, WB, ChIP assay, ChIP-seq
Phosphorylation	GTx61388	Histone H3TK27ac (acetyl Lys27) antibody [EP865Y]	Rb mAb	Hu, Ms, Rat	ICC/IF, IHC-M, IHC-P, WB
	GTx61814	Histone H3.3S28phS31ph (phospho Ser28/Ser31) antibody [EP1874Y]	Rb mAb	Hu	WB
	GTx62224	Histone H3.3S31ph (phospho Ser31) antibody [EPR1873]	Rb mAb	Hu, Ms, Rat	ICC/IF, IHC-M, IHC-P, WB
	GTx12182	Histone H3S10ph (phospho Ser10) antibody	Rb pAb	Hu, Ms, Cow, Rat, Xi	ICC/IF, WB
	GTx128116	Histone H3S10ph (phospho Ser10) antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC-P, IP, WB, ChIP assay
	GTx60826	Histone H3S10ph (phospho Ser10) antibody - ChIP grade	Rb pAb	Hu	Dot, ELISA, ICC/IF, WB, ChIP assay
	GTx60827	Histone H3S10ph (phospho Ser10) antibody - ChIP grade	Rb pAb	Hu	Dot, ELISA, ICC/IF, IP, WB, ChIP assay
	GTx61067	Histone H3S10ph (phospho Ser10) antibody [E173]	Rb mAb	Hu, Ms, Rat	ICC/IF, IHC-M, IHC-P, IP, WB
	GTx630185	Histone H3S10ph (phospho Ser10) antibody [GT921]	Ms mAb	Hu	WB
	GTx128953	Histone H3S28ph (phospho Ser28) antibody	Rb pAb	Hu	Dot, ICC/IF, IHC-P, WB
	GTx79053	Histone H3S28ph (phospho Ser28) antibody	Rb pAb	Hu, Ms, Rat	ELISA, IHC, WB
	GTx13924	Histone H3S28ph (phospho Ser28) antibody [117C826]	Ms mAb	Hu	WB
	GTx61104	Histone H3S28ph (phospho Ser28) antibody [E191]	Rb mAb	Hu, Ms, Rat	ICC/IF, IHC-M, IHC-P, WB
	GTx63813	Histone H3T11ph (phospho Thr11) antibody [EPR5930]	Rb mAb	Hu, Rat	WB
	GTx79055	Histone H3T3ph (phospho Thr3) antibody	Rb pAb	Hu, Ms, Rat	ELISA, IHC, WB
Phosphorylation Methylation	GTx61749	Histone H3T3ph (phospho Thr3) antibody [EP1702Y]	Rb mAb	Hu	ICC/IF, IHC-P, WB
	GTx60329	Histone H3K27me3S28ph (trimethyl Lys27, phospho Ser28) antibody - ChIP grade	Rb pAb	Hu	Dot, ELISA, ICC/IF, IP, WB, ChIP assay
	GTx60327	Histone H3K9me3S10ph (trimethyl Lys9, phospho Ser10) antibody - ChIP grade	Rb pAb	Hu	Dot, ELISA, ICC/IF, WB, ChIP assay

Histone H3 Antibody

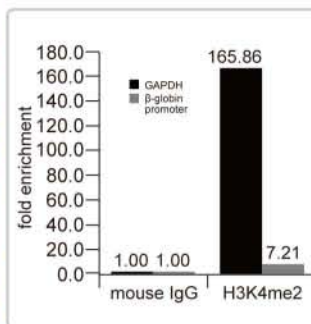
	Cat. No.	Product	Host & Clonality	Reactivity	Application
Phosphorylation Acetylation	GTX12181	Histone H3K9acS10ph (phospho Ser10, acetyl Lys9) antibody	Rb pAb	Hu, Ms, Cow, Rat, Xi	ICC/IF, IHC-P, WB
	GTX60328	Histone H3K9acS10ph (phospho Ser10, acetyl Lys9) antibody	Rb pAb	Hu	Dot, ELISA, ICC/IF, WB, ChIP assay
	GTX12180	Histone H3K9acS10ph (phospho Ser10, acetyl Lys9) antibody [APH3-64]	Ms mAb	Hu, Ms, Dm, Rat	ELISA, IP, WB

**Histone H3 antibody (GTX12148)**

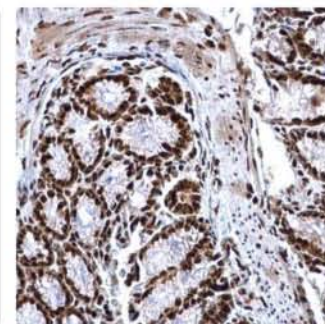
ChIP analysis with Histone H3 antibody on chromatin extract of HeLa cells.

**Histone H3K27me3 (trimethyl Lys27) antibody (GTX121184)**

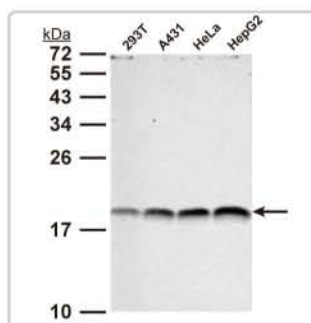
ICC/IF analysis with Histone H3K27me3 antibody on A431 cells.

**Histone H3K4me2 (dimethyl Lys4) antibody (GTX121915)**

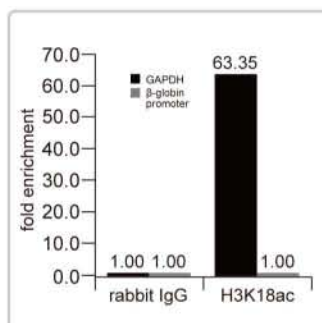
ChIP analysis with Histone H3K4me2 antibody on chromatin extract of HeLa cells.

**Histone H3K4me3 (trimethyl Lys4) antibody (GTX128954)**

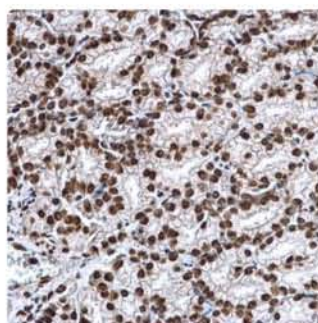
IHC-P analysis with Histone H3K4me3 antibody on mouse colon tissue.

**Histone H3R17me2 (dimethyl Arg17) antibody (GTX124113)**

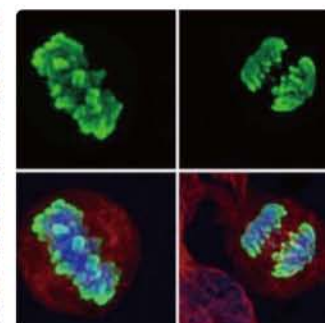
WB analysis with Histone H3R17me2 antibody on whole cell lysates.

**Histone H3K18ac (acetyl Lys18) antibody (GTX128943)**

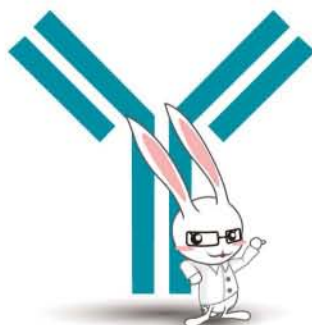
ChIP analysis with Histone H3K18ac antibody on chromatin extract of HeLa cells.

**Histone H3K27ac (acetyl Lys27) antibody (GTX128944)**

IHC-P analysis with Histone H3K27ac antibody on mouse duodenum tissue.

**Histone H3S10ph (phospho Ser10) antibody (GTX128116)**

ICC/IF analysis with Histone H3S10ph antibody on HeLa cells.



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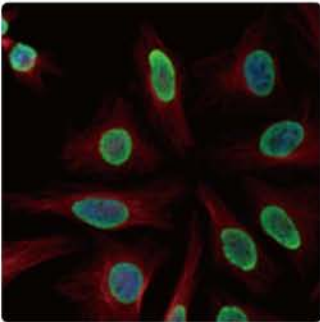
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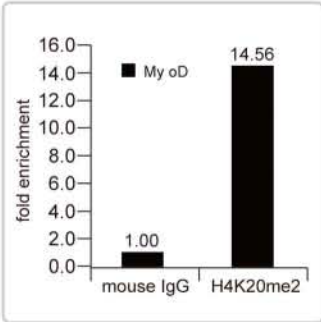
Email: custom_service@genetex.com

Histone H4 Antibody

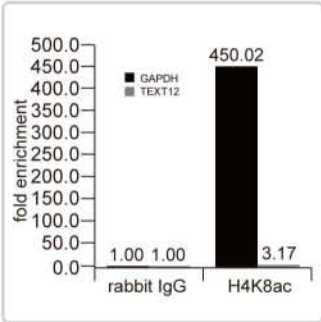
	Cat. No.	Product	Host & Clonality	Reactivity	Application
Unmodified	GTX10629	Histone H4 antibody	Rb pAb	Hu, Ms, Rat	IHC-P, IP, WB
	GTX52365	Histone H4 antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC, WB
	GTX129560	Histone H4 antibody	Rb pAb	Ms, Rat	ICC/IF, IHC-P
	GTX129561	Histone H4 antibody	Rb pAb	Ms, Rat	IHC-P
	GTX60345	Histone H4 antibody - ChIP grade	Rb pAb	Hu	Dot, ELISA, ChIP assay
Methylation	GTX128959	Histone H4K20me1 (monomethyl Lys20) antibody	Rb pAb	Hu	Dot, ICC/IF, WB
	GTX60331	Histone H4K20me1 (monomethyl Lys20) antibody [GT9008]	Ms mAb	Hu	Dot, ICC/IF, WB, ChIP assay, ChIP-seq
	GTX53591	Histone H4K20me2 (di-Methyl Lys20) antibody	Rb pAb	Hu	Dot, FACS, IHC, WB
	GTX48878	Histone H4K20me2 (dimethyl Lys20) antibody [2B8]	Rat	Hu	IP, WB
	GTX630545	Histone H4K20me2 (dimethyl Lys20) antibody [GT1851]	Ms mAb	Hu	ICC/IF, WB, ChIP assay
	GTX630544	Histone H4K20me2 (dimethyl Lys20) antibody [GT282]	Ms mAb	Hu	ICC/IF, WB, ChIP assay
	GTX128960	Histone H4K20me3 (trimethyl Lys20) antibody	Rb pAb	Hu, Ms, Rat	Dot, ICC/IF, IHC-P, WB
	GTX60828	Histone H4K20me3 (trimethyl Lys20) antibody - ChIP grade	Rb pAb	Hu, Ms	Dot, ELISA, ICC/IF, WB, ChIP assay, ChIP-seq
	GTX60364	Histone H4K20me3 (trimethyl Lys20) antibody [GT9009]	Ms mAb	Hu	ICC/IF, WB, ChIP assay
	GTX88005	Histone H4K5ac (acetyl Lys5) antibody	Rb pAb	Hu, Ms, Rat	ELISA, ICC/IF, IHC, IHC-P, WB
Acetylation	GTX60335	Histone H4K5ac (acetyl Lys5) antibody - ChIP grade	Rb pAb	Hu, Ms	Dot, ELISA, WB, ChIP assay, ChIP-seq
	GTX61421	Histone H4K5ac (acetyl Lys5) antibody [EP1000Y], N-term	Rb mAb	Hu, Ms, Rat	ICC/IF, IHC-M, IHC-P, IP, WB
	GTX128957	Histone H4K8ac (acetyl Lys8) antibody	Rb pAb	Hu, Ms, Rat	Dot, ICC/IF, IHC-P, IP, WB, ChIP assay
	GTX59547	Histone H4K8ac (acetyl Lys8) antibody	Rb pAb	Hu, Ms, Rat	IHC, IP, WB
	GTX60348	Histone H4K8ac (acetyl Lys8) antibody - ChIP grade	Rb pAb	Hu	Dot, ELISA, WB, ChIP assay
	GTX60829	Histone H4K8ac (acetyl Lys8) antibody - ChIP grade	Rb pAb	Hu	Dot, ELISA, ICC/IF, WB, ChIP assay
	GTX61411	Histone H4K8ac (acetyl Lys8) antibody [EP1002Y], N-term	Rb mAb	Hu, Ms, Rat	ICC/IF, IHC-M, IHC-P, IP, WB
	GTX88003	Histone H4K12ac (acetyl Lys12) antibody	Rb pAb	Hu, Ms, Rat	ELISA, ICC/IF, IHC, IHC-P, WB
	GTX88004	Histone H4K16ac (acetyl Lys16) antibody	Rb pAb	Hu, Ms, Rat	ELISA, ICC/IF, IHC, IHC-P
	GTX63069	Histone H4K16ac (acetyl Lys16) antibody [EPR1004]	Rb mAb	Hu, Ms, Rat	ICC/IF, IHC-M, IHC-P, WB
	GTX60337	Histone H4K5K8K12ac (acetyl Lys5/Lys8/Lys12) antibody - ChIP grade	Rb pAb	Hu, Ms	Dot, ELISA, ICC/IF, WB, ChIP assay, ChIP-seq
	GTX122653	Histone H4K5K8K12K16ac (acetyl Lys5/Lys8/Lys12/Lys16) antibody	Rb pAb	Hu, Ms, Rat	Dot, ICC/IF, IHC-P, WB
	GTX60334	Histone H4K5K8K12K16ac (acetyl Lys5/Lys8/Lys12/Lys16) antibody - ChIP grade	Rb pAb	Hu, Ms	Dot, ELISA, ICC/IF, ChIP assay, ChIP-seq



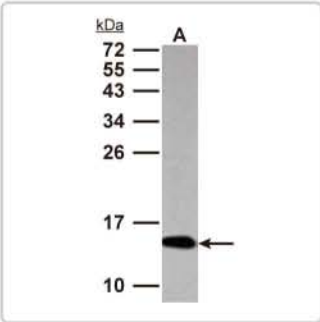
Histone H4 antibody (GTX129560)
ICC/IF analysis with Histone H4 antibody on HeLa cells.



Histone H4K20me2 (dimethyl Lys20) antibody [GT1851] (GTX630545)
ChIP analysis with Histone H4K20me2 antibody on chromatin extract of HeLa cells.



Histone H4K8ac (acetyl Lys8) antibody (GTX128957)
ChIP analysis with Histone H4K8ac antibody on chromatin extract of HeLa cells.



Histone H4K5K8K12K16ac (acetyl Lys5/Lys8/Lys12/Lys16) antibody (GTX122653)
WB analysis with Histone H4K5K8K12K16ac antibody on whole cell lysate of HeLa cells.

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Histone Modifying Enzymes

- Acetylation

Acetylation is one of the most intensively studied posttranslational modifications (PTMs) of histone and non-histone substrates. For histones, members of the three major subfamilies of histone acetyltransferases (HATs; but also referred to as lysine acetyltransferases (KATs)) target lysine residues for transfer of an acetyl group obtained from acetyl-CoA. Histone acetylation is generally associated with gene activation, while histone deacetylation catalyzed by histone deacetylases (HDACs/KDACs) is linked to gene repression. The dynamic interplay between the activities of the HATs and HDACs, in conjunction with the histone marks inserted by other histone modifying enzymes, determines the key features of the local chromatin landscape that regulates a specific gene's expression. HDAC inhibitors have generated much interest clinically, particularly in cancer therapeutics. However, there is also growing awareness of "histone code" signatures that control gene expression in post-mitotic neurons, thereby affecting neural plasticity and complex higher-order brain functions such as learning and memory. Given that some HATs are directly involved in these processes, and that loss of HAT activity has been described in neurodegenerative disease, the development of specific HAT/HDAC modulators is an exciting area for future research.

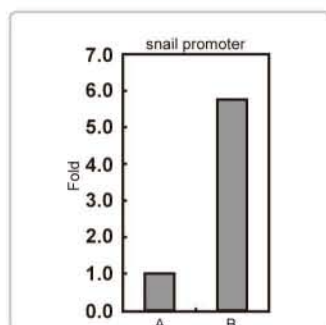
Histone Acetyltransferase (HAT)

 Citation

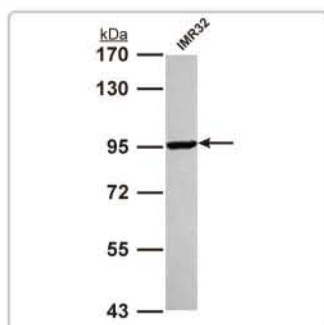
	Cat. No.	Product	Host & Clonality	Reactivity	Application
CBP	GTX101249	CBP antibody [C3], C-term	Rb pAb	Hu, Ms, Mk	ICC/IF, IHC, IHC-P, IP, WB, ChIP assay
	GTX30750	CBP antibody [F4]	Ms mAb	Hu, Ms, Rat	ICC/IF, IHC, IP, WB
	GTX86958	CBP (acetyl Lys1535) antibody	Rb pAb	Hu, Ms, Rat	ELISA, IHC, IHC-P
CLOCK	GTX102318	CLOCK antibody [C2C3], C-term	Rb pAb	Hu, Ms	ICC/IF, WB
	GTX63487	CLOCK antibody [EPR6227]	Rb mAb	Hu, Ms, Rat	FACS, ICC/IF, IHC, IHC-P, IP, WB
	GTX83280	CLOCK antibody [8F7]	Ms mAb	Hu	ELISA, FACS, ICC/IF, WB
ELP3	GTX111912	ELP3 antibody [N3C3]	Rb pAb	Hu	ICC/IF, WB
	GTX111492	ELP3 antibody [N1C1]	Rb pAb	Hu	WB
	GTX631395	ELP3 antibody [GT11811]	Ms mAb	Hu	WB
GCN5	GTX114428	GCN5 antibody [C2C3], C-term	Rb pAb	Hu, Ms	ICC/IF, WB
	GTX100286	GCN5 antibody [C3], C-term	Rb pAb	Hu	WB
	GTX50005	GCN5L2 antibody [AT3G13]	Ms mAb	Hu	ELISA, ICC/IF, WB
GTF3C4	GTX118874	GTF3C4 antibody	Rb pAb	Hu	ICC/IF, IHC-P, WB
	GTX88274	GTF3C4 antibody, Internal	Gt pAb	Hu, Ms, Cow, Dog, Rat	ELISA
HAT1	GTX110643	HAT1 antibody	Rb pAb	Hu	ICC/IF, IHC-P, IP, WB
	GTX12163	HAT1 antibody	Rb pAb	Hu, Ms	WB
MYST	GTX129380	MYST1 antibody	Rb pAb	Hu	WB
	GTX82545	HMOF / MYST1 antibody, C-term	Rb pAb	Hu	ELISA, IHC, IHC-P, WB
	GTX83065	MYST1 antibody [8C4C4]	Ms mAb	Hu	ELISA, ICC/IF, IHC, IHC-P, WB
	GTX102041	MYST2 antibody [N2C1], Internal	Rb pAb	Hu, Ms	IHC-P, WB
	GTX63686	MYST2 antibody [EPR7194(B)]	Rb mAb	Hu, Ms, Rat	FACS, WB
TIP60	GTX112197	TIP60 antibody	Rb pAb	Hu, Ms	ICC/IF, WB
	GTX112198	TIP60 antibody	Rb pAb	Hu	IHC-P, WB
	GTX83081	TIP60 antibody [3F9]	Ms mAb	Hu	ELISA, IHC, IHC-P, WB
p300	GTX10485	EP300 antibody	Rb pAb	Hu	IHC, IP, WB
	GTX10486	EP300 antibody	Rb pAb	Hu	IHC, IP, WB

Histone Acetyltransferase (HAT)

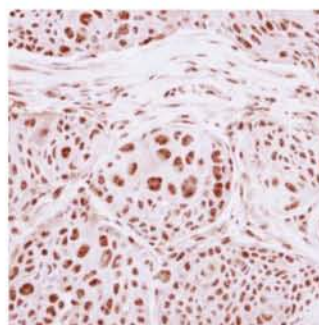
	Cat. No.	Product	Host & Clonality	Reactivity	Application
p300	GTX30618	EP300 antibody [RW105]	Ms mAb	Hu, Ms, Mk, Rat, Mink	ICC/IF, IP, WB, ChIP assay
	GTX30614	EP300 antibody [RW128]	Ms mAb	Hu, Ms, Mk, Rat, Mink	ICC/IF, IP, WB
PCAF	GTX109666	PCAF antibody [C3], C-term	Rb pAb	Hu, Ms	WB
	GTX12188	PCAF antibody	Rb pAb	Hu, Ms, Dog	IP, WB
NCOA1	GTX112567	SRC1 antibody	Rb pAb	Hu	WB
	GTX70250	SRC1 antibody [1135]	Ms mAb	Hu, Ms, Mk, Rat	IP, WB, ChIP assay
NCOA2	GTX23247	SRC1 antibody [SRC01 (GT12)]	Ms mAb	Hu, Ms	ICC/IF, IHC-P, WB
	GTX112307	NCOA2 antibody [C2C3], C-term	Rb pAb	Hu	ICC/IF, WB
	GTX10508	NCOA2 antibody	Rb pAb	Hu, Ms, Xi	IHC, IP, WB
	GTX10491	NCOA2 antibody	Rb pAb	Hu, Ms, Xi	IP, WB
NCOA3	GTX19198	NCOA2 antibody	Rb pAb	Hu	IP
	GTX113869	NCOA3 antibody [N1N2], N-term	Rb pAb	Hu	ICC/IF, IHC-P, WB
	GTX104257	NCOA3 antibody	Rb pAb	Hu	ICC/IF
	GTX83144	NCOA3 antibody [2C11B12]	Ms mAb	Hu	ELISA, WB



CBP antibody [C3], C-term (GTX101249)
ChIP analysis with CBP antibody on whole cell extract of HeLa cells.



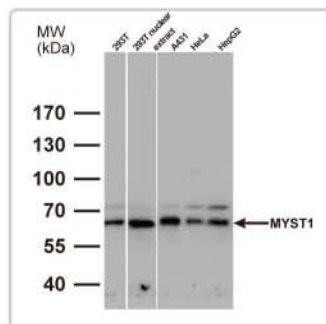
GCN5 antibody [C2C3], C-term (GTX114428)
WB analysis with GCN5 antibody on whole cell lysate of IMR32 cells.



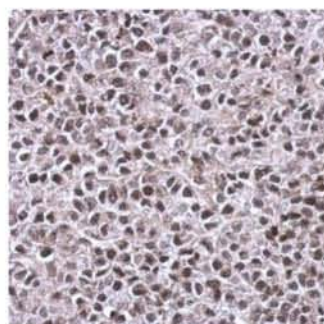
GTF3C4 antibody (GTX118874)
IHC-P analysis with GTF3C4 antibody on human breast carcinoma.



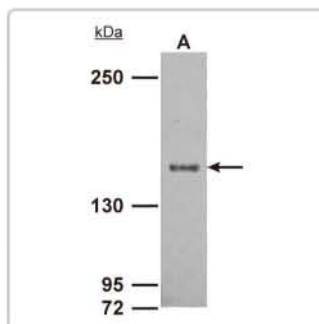
HAT1 antibody (GTX110643)
IHC-P analysis with HAT1 antibody on colon tissue.



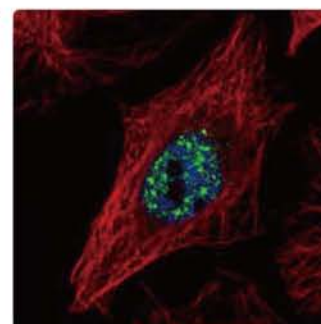
MYST1 antibody (GTX129380)
WB analysis with MYST1 antibody on whole cell lysates or 293T nuclear extract.



TIP60 antibody (GTX112198)
IHC-P analysis with TIP60 antibody on HeLa xenograft.



SRC1 antibody (GTX112567)
WB analysis with SRC1 antibody on whole cell lysate of 293T cells.



NCOA2 antibody [C2C3], C-term (GTX112307)
ICC/IF analysis with NCOA2 antibody on HeLa cells.

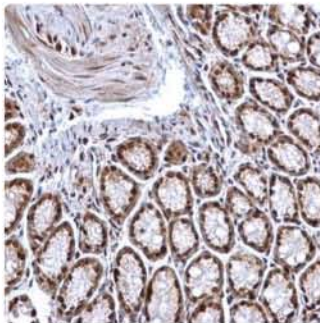
Histone Deacetylase (HDAC)

	Cat. No.	Product	Host & Clonality	Reactivity	Application
HDAC1	GTX100513	HDAC1 antibody	Rb pAb	Hu, Ms	ICC/IF, IHC-P, IP, WB, ChIP assay
	GTX20012	HDAC1 antibody	Rb pAb	Hu, Ms	ELISA, ICC/IF, IP, ChIP assay
	GTX62894	HDAC1 antibody [EPR460(2)], C-term	Rb mAb	Hu, Ms, Rat	ICC/IF, IHC-M, IHC-P, WB
	GTX27028	HDAC1 antibody	Rb pAb	Hu, Ms, Rat	Dot, IHC-P, IP, WB, ChIP assay
HDAC2	GTX124499	Hdac1 antibody	Rb pAb	Zfish	IHC-P, WB, IHC-Wm
	GTX109642	HDAC2 antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC-P, IP, WB, ChIP assay
	GTX113086	HDAC2 antibody	Rb pAb	Hu	ICC/IF, IHC-P, WB
	GTX112957	HDAC2 antibody	Rb pAb	Rat	WB
	GTX12169	HDAC2 antibody [HDAC2-62]	Ms mAb	Hu, Ms, Cow, Dog, Rat	ELISA, ICC/IF, IHC, IP, WB
	GTX61236	HDAC2 antibody [Y461], C-term	Rb mAb	Hu, Ms, Rat	FACS, ICC/IF, IHC-M, IHC-P, IP, WB

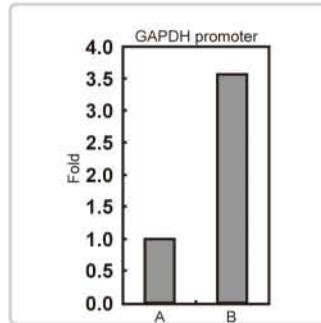
Histone Deacetylase (HDAC)

Citation

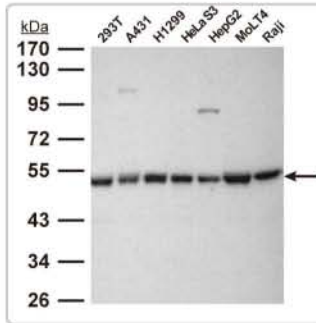
	Cat. No.	Product	Host & Clonality	Reactivity	Application
HDAC2	GTX50236	HDAC2 (phospho Ser394) antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC, IHC-P, WB
	 GTX109679	HDAC3 antibody [C3], C-term	Rb pAb	Hu	ICC/IF, IHC-P, IP, WB, ChIP assay
HDAC3	 GTX113303	HDAC3 antibody	Rb pAb	Hu, Rat	ICC/IF, IHC-P, IP, WB, ChIP assay
	 GTX103699	HDAC3 antibody [N2C3]	Rb pAb	Hu	ICC/IF, WB
	GTX124349	Hdac3 antibody	Rb pAb	Zfsh	IHC-P, WB, IHC-Wm
HDAC4	GTX110231	HDAC4 antibody [N3C1], Internal	Rb pAb	Hu	ICC/IF, IHC-P, IP, WB
	 GTX12171	HDAC4 antibody [HDAC-144]	Ms mAb	Hu, Ms, Rat	ELISA, ICC/IF, IP, WB
	GTX50237	HDAC4 (phospho Ser632) antibody	Rb pAb	Hu, Ms, Rat	WB
	GTX85618	HDAC4 (phospho Ser632) antibody	Rb pAb	Hu, Ms, Rat	IHC-P, WB
	GTX61209	HDAC4 antibody [Y416], N-term	Rb mAb	Hu	ICC/IF, WB
HDAC5	GTX21439	HDAC5 antibody	Rb pAb	Hu, Ms, Rat	IHC-P, IP, WB
	GTX59634	HDAC5 antibody	Rb pAb	Hu, Ms, Rat	IHC, IP, WB
	GTX50238	HDAC5 (phospho Ser498) antibody	Rb pAb	Hu, Ms, Rat	IHC, IHC-P, WB
HDAC6	 GTX100722	HDAC6 antibody [N1], N-term	Rb pAb	Hu	ICC/IF, WB
	 GTX84377	HDAC6 antibody [4C5]	Ms mAb	Hu, Dog, Mk, Rat	FACS, ICC/IF, WB
HDAC7	GTX114179	HDAC7 antibody [C2C3], C-term	Rb pAb	Hu	ICC/IF, IHC-P, IP, WB
	GTX105985	HDAC7 antibody	Rb pAb	Hu	ICC/IF, WB
HDAC8	GTX113981	HDAC8 antibody	Rb pAb	Hu, Ms, Rat	WB
	GTX105074	HDAC8 antibody [N1C2]	Rb pAb	Hu, Ms	WB
	GTX12176	HDAC8 antibody [HDAC8-48]	Ms mAb	Hu	ELISA, WB
	GTX50189	HDAC8 (phospho Ser39) antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC-P
HDAC9	GTX52378	HDAC9 antibody	Rb pAb	Hu	ICC/IF, IHC, WB
	GTX63403	HDAC9 antibody [EPR5223]	Rb mAb	Hu, Rat	ICC/IF, IHC, IHC-P, WB
HDAC10	GTX62462	HDAC10 antibody [EPR3576]	Rb mAb	Hu, Ms	ICC/IF, IP, WB
	GTX84385	HDAC10 antibody [8G5]	Ms mAb	Hu	ICC/IF, IHC, IHC-P, WB
	GTX84388	HDAC10 antibody [3C2]	Ms mAb	Hu	FACS, IHC, IHC-P, WB
	GTX84387	HDAC10 antibody [2H6]	Ms mAb	Hu	FACS, ICC/IF, IHC, IHC-P, WB
HDAC11	GTX116403	HDAC11 antibody	Rb pAb	Hu, Ms	IHC-P, WB
	GTX18973	HDAC11 antibody	Rb pAb	Hu, Ms, Rat	IHC, WB



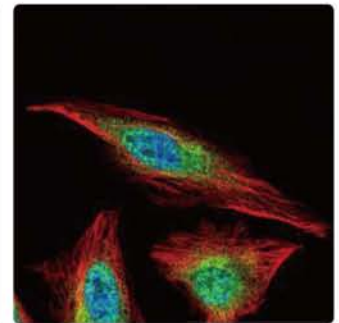
HDAC1 antibody (GTX100513)
IHC-P analysis with HDAC1 antibody on mouse colon tissue.



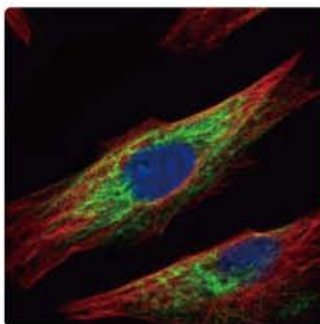
HDAC2 antibody (GTX109642)
ChIP analysis with HDAC2 antibody on whole cell extract of 293T cells.



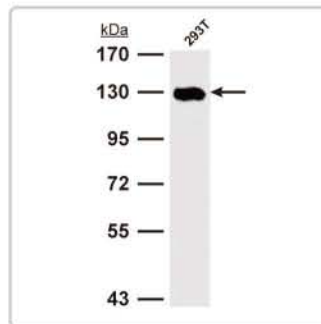
HDAC3 antibody [C3], C-term (GTX109679)
WB analysis with HDAC3 antibody on whole cell lysates.



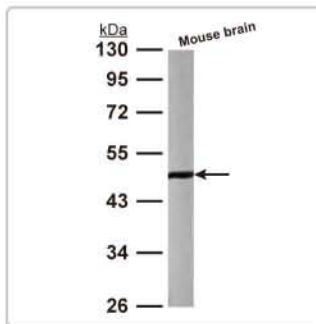
HDAC4 antibody [N3C1], Internal (GTX110231)
ICC/IF analysis with HDAC4 antibody on HeLa cells.



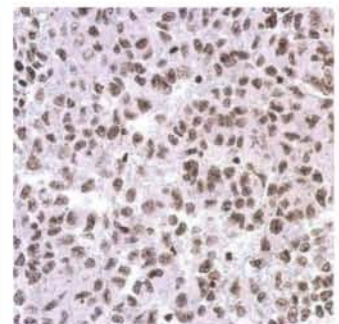
HDAC6 antibody [N1], N-term (GTX100722)
ICC/IF analysis with HDAC6 antibody on HeLa cells.



HDAC7 antibody (GTX105985)
WB analysis with HDAC7 antibody on whole cell lysate of 293T cells.



HDAC8 antibody (GTX113981)
WB analysis with HDAC8 antibody on mouse brain tissue.



HDAC11 antibody (GTX116403)
IHC-P analysis with HDAC11 antibody on H1299 xenograft.

Histone Modifying Enzymes - Methylation

Like acetylation, methylation of histones is a fundamental epigenetic mechanism to establish, maintain, or alter the phenotypic identity of a eukaryotic cell. Histone methylation occurs primarily on lysine and arginine residues, and can often take the form of mono-, di-, or tri-methylated variants. Much interest has been directed to the specific lysine methylation events on histone H3, as individual methylation sites are associated with distinct effects on gene expression. Methylation is somewhat unique among the histone modifications, as particular methylation events affect other chromatin-based functions even beyond transcriptional regulation, including DNA replication, heterochromatin formation, alternative splicing, recombination, DNA repair, and cell cycle control. The orchestration of a cell's histone methylation profile relies on the activities of a large number of histone methyltransferases and demethylases. Though not yet definitive, there is increasing evidence that dysregulation of the activities of these enzymes may contribute to various cancers and neurologic disorders. The challenge for the future is to further identify and characterize how these factors impact human disease.

 Citation

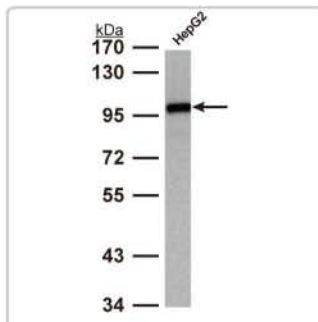
Histone Lysine Methyltransferase (KMT)

	Cat. No.	Product	Host & Clonality	Reactivity	Application
EZH1	GTX108013	EZH1 antibody [N1], N-term	Rb pAb	Hu	ICC/IF, IHC-P, WB
	GTX89888	EZH1 antibody, N-term	Gt pAb	Hu	ELISA, WB
	GTX110384	EZH2 antibody	Rb pAb	Hu	ICC/IF, WB, ChIP assay
EZH2	GTX60367	EZH2 antibody [GT9005]	Ms mAb	Hu	ChIP assay
	 GTX62838	EZH2 (phospho Thr487) antibody [EPR1410]	Rb mAb	Hu, Ms, Rat	IHC-M, IHC-P, IP, WB
G9a	GTX128164	G9a antibody	Rb pAb	Hu	ICC/IF, IHC-P, IP, WB
	GTX129153	G9a antibody	Rb pAb	Hu	ICC/IF, IP, WB
	GTX120210	G9a antibody [C1C2], Internal	Rb pAb	Ms	WB
GLP	GTX83242	GLP antibody [1B7B4]	Ms mAb	Hu	ELISA, WB
	GTX17959	MLL antibody	Rb pAb	Hu, Ms	FACS, IHC-P, IP, WB
MLL	GTX83091	MLL antibody [10F8D7]	Ms mAb	Hu	ELISA, IHC, IHC-P, WB
	GTX59792	MLL1 antibody	Rb pAb	Hu, Ms	WB
	GTX15962	MLL2 antibody, N-term	Gt pAb	Hu	ELISA, IHC-P
	GTX53678	MLL3 antibody	Rb pAb	Hu	WB
	GTX89763	MLL4 antibody, C-term	Gt pAb	Hu	ELISA, IHC, IHC-P
	GTX85719	MLL5 antibody	Rb pAb	Hu	ELISA, IHC-P
	GTX129035	SETD1A antibody	Rb pAb	Hu	WB
SETD	GTX129036	SETD1A antibody	Rb pAb	Hu	WB
	GTX629891	SETD6 antibody [GT688]	Ms mAb	Hu	WB
	GTX117333	SETD7 antibody [N1C1]	Rb pAb	Hu	WB
	GTX119440	SETD8 antibody	Rb pAb	Hu	ICC/IF, IHC-P, WB
SETDB	 GTX115305	SETDB1 antibody [N1], N-term	Rb pAb	Hu, Ms	IP, WB, ChIP assay
	GTX110219	SETDB1 antibody [N2C1], Internal	Rb pAb	Hu	IP, WB, ChIP assay
	GTX80408	SETDB1 antibody [5H6A12]	Ms mAb	Hu, Ms, Mk	ELISA, ICC/IF, WB
	GTX116932	SETDB2 antibody [N1N2], N-term	Rb pAb	Hu	ICC/IF, IP, WB
	GTX13712	CLLD8 / SETDB2 antibody, N-term	Gt pAb	Hu	ELISA, WB
SMYD	GTX119484	SMYD1 antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB
	GTX116510	SMYD2 antibody	Rb pAb	Hu	ICC/IF, WB

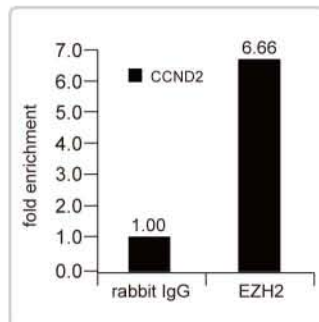
Histone Lysine Methyltransferase (KMT)

Citation

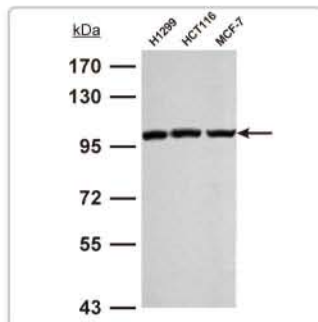
	Cat. No.	Product	Host & Clonality	Reactivity	Application
SMYD	GTx121945	SMYD3 antibody	Rb pAb	Hu, Ms	ICC/IF, IHC-P, IP, WB, ChIP assay
	GTx121956	SMYD3 antibody	Rb pAb	Hu	IHC-P, IP, WB, ChIP assay
	GTx628535	SMYD3 antibody [GT1088]	Ms mAb	Hu	IHC-P, WB
	GTx110518	SMYD5 antibody [C2C3], C-term	Rb pAb	Hu	IHC-P, WB
SUV39H1	GTx112263	SUV39H1 antibody [N3C3]	Rb pAb	Hu, Ms	ICC/IF, IHC-P, IP, WB
	GTx12405	SUV39H1 antibody [44.1]	Ms mAb	Hu, Ms	ELISA, ICC/IF, IHC, IP, WB
	GTx23659	SUV39H1 antibody [42AT239.96.72]	Ms mAb	Hu	ELISA, WB



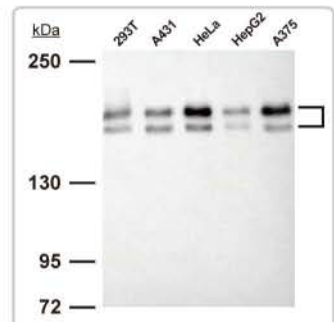
EZH1 antibody [N1], N-term (GTx108013)
WB analysis with EZH1 antibody on whole cell lysate of HepG2 cells.



EZH2 antibody (GTx113084)
ChIP analysis with EZH2 antibody on chromatin extract of HeLa cells.



EZH2 antibody (GTx113084)
WB analysis with EZH2 antibody on whole cell lysates.

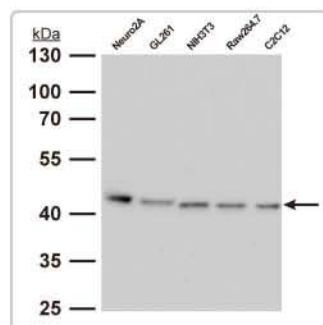


G9a antibody (GTx128164)
WB analysis with G9a antibody on whole cell lysates.

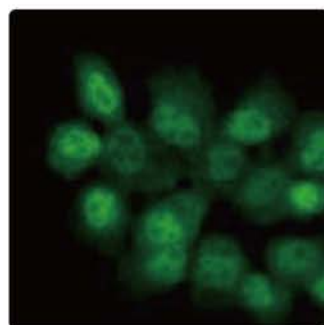
Protein Arginine Methyltransferase (PRMT)

Citation

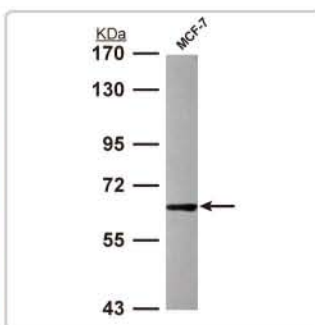
	Cat. No.	Product	Host & Clonality	Reactivity	Application
PRMT1	GTx128211	PRMT1 antibody	Rb pAb	Hu	ICC/IF, WB
	GTx128199	Prmt1 antibody	Rb pAb	Zfish	IHC-Wm
	GTx630186	PRMT1 antibody [GT779]	Ms mAb	Hu, Ms	ICC/IF, WB
	GTx630187	PRMT1 antibody [GT10111]	Ms mAb	Hu, Ms	WB
PRMT2	GTx103749	PRMT2 antibody [N1C2]	Rb pAb	Hu	ICC/IF, IHC-P, WB
	GTx103398	PRMT2 antibody	Rb pAb	Hu	ICC/IF, WB
	GTx23763	PRMT2 antibody	Rb pAb	Hu	ELISA, IHC-P, WB, ChIP assay
PRMT3	GTx115367	PRMT3 antibody [C1C3]	Rb pAb	Hu, Ms	ICC/IF, WB
	GTx116478	PRMT3 antibody	Rb pAb	Hu, Ms	IP, WB
	GTx12190	PRMT3 antibody [PRMT3-367]	Ms mAb	Hu, Ms, Rat	ELISA, ICC/IF, WB
PRMT4	GTx129040	CARM1 antibody	Rb pAb	Hu	IHC-P, WB
	GTx50685	CARM1 antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, WB
	GTx37287	CARM1 antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, WB
	GTx80395	CARM1 antibody [3H2]	Ms mAb	Hu, Mk, Rat	ELISA, FACS, ICC/IF, IHC, IHC-P, WB
PRMT5	GTx13707	PRMT4 antibody	Rb pAb	Hu, Ms	WB
	GTx115994	PRMT5 antibody [N1N3]	Rb pAb	Hu	ICC/IF, IHC-P, WB
	GTx115409	PRMT5 antibody [N3C3]	Rb pAb	Hu	ICC/IF, IHC-P, WB
	GTx116004	PRMT5 antibody [N1C1]	Rb pAb	Hu	IHC-P, IP, WB, ChIP assay
PRMT6	GTx628488	PRMT5 antibody [GT3610]	Ms mAb	Hu, Rat	IP, WB
	GTx12192	PRMT6 antibody	Rb pAb	Hu	ICC/IF, IP, WB
	GTx82806	PRMT6 antibody [4G2]	Ms mAb	Hu, Mk	ELISA, WB
PRMT7	GTx47433	PRMT6 antibody, Internal	Rb pAb	Hu	WB
	GTx116570	PRMT7 antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC-P, IP, WB, ChIP assay
	GTx116569	PRMT7 antibody	Rb pAb	Hu	WB
PRMT8	GTx47432	PRMT7 antibody, N-term	Rb pAb	Hu, Ms, Rat	WB
	GTx47431	PRMT8 antibody, C-term	Rb pAb	Hu, Ms, Dog, Rat	WB
PRMT9	GTx46904	FBXO11 antibody, Internal	Rb pAb	Hu, Ms, Rat	WB



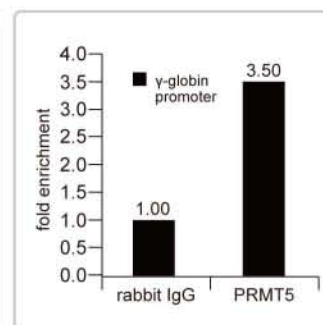
PRMT1 antibody [GT779] (GTX630186)
WB analysis with PRMT1 antibody on whole cell lysates.



PRMT2 antibody [N1C2] (GTX103749)
ICC/IF analysis with PRMT2 antibody on A431 cells.



PRMT3 antibody [C1C3] (GTX115367)
WB analysis with PRMT3 antibody on whole cell lysate of MCF-7 cells.

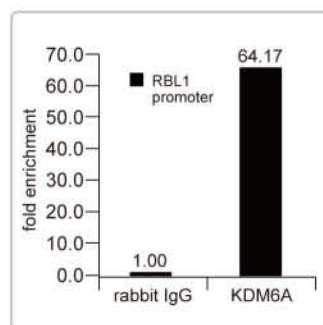


PRMT5 antibody [N1C1] (GTX116004)
ChIP analysis with PRMT5 antibody on chromatin extract of K562 cells.

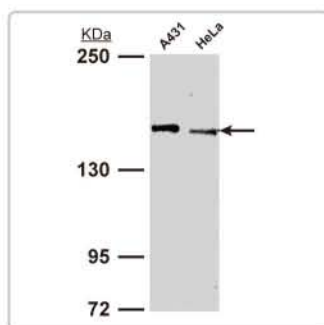
Histone Lysine Demethylase (KDM)

[Citation](#)

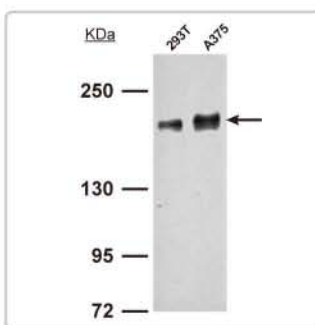
	Cat. No.	Product	Host & Clonality	Reactivity	Application
KDM2B	GTX104868	FBXL10 antibody [C3], C-term	Rb pAb	Hu, Ms	WB
	GTX25199	FBXL10 / PCCX2 antibody, C-term	Gt pAb	Hu	ELISA, WB
KDM3A	GTX85253	JMJD1A antibody	Rb pAb	Hu, Ms, Rat	ELISA, ICC/IF, IHC, WB
	GTX80407	KDM3A antibody [1E12]	Ms mAb	Hu	ELISA, IHC, IHC-P, WB
	GTX80407	KDM3A antibody [1E12]	Ms mAb	Hu	ELISA, IHC, IHC-P, WB
KDM3B	GTX116198	KDM3B antibody [C2C3], C-term	Rb pAb	Hu	IP, WB
KDM4A	GTX116429	KDM4A / JHDM3A / JMJD2A antibody [N1N3]	Rb pAb	Hu	WB
	GTX82792	KDM4A antibody [5H1]	Ms mAb	Hu	ELISA, ICC/IF, IHC, IHC-P, WB
KDM4B	GTX50909	KDM4B antibody	Rb pAb	Hu	WB
	GTX53804	JMJD2B antibody	Rb pAb	Hu	FACS, IHC, IHC-P, WB
KDM4C	GTX84280	KDM4C antibody [5B9]	Ms mAb	Hu	ICC/IF, IHC, IHC-P, WB
	GTX84279	KDM4C antibody [4B1]	Ms mAb	Hu	FACS, ICC/IF, IHC, IHC-P
	GTX121246	KDM6A antibody [N2C1], Internal	Rb pAb	Hu	ICC/IF, IHC-P, IP, WB, ChIP assay
KDM6A	GTX120873	KDM6A antibody [C2C3], C-term	Rb pAb	Hu	WB
	GTX630412	KDM6A antibody [GT1612]	Ms mAb	Hu	WB
JARID1C	GTX110045	JARID1C antibody [N1N2-2], N-term	Rb pAb	Hu	WB
	GTX109831	JARID1C antibody [N1N2], N-term	Rb pAb	Hu	WB
JHDM1A	GTX82550	JHDM1a/FBXL11 antibody, Internal	Rb pAb	Hu	ELISA, IHC, IHC-P, WB
	GTX82551	JHDM1a/FBXL11 antibody, N-term	Rb pAb	Hu	ELISA, WB
JMJD3	GTX124222	JMJD3 antibody [C2], C-term	Rb pAb	Hu	IHC-P, WB
JMJD4	GTX85252	JMJD4 antibody	Rb pAb	Hu, Rat	ELISA, ICC/IF, IHC, WB
JMJD5	GTX85251	JMJD5 antibody	Rb pAb	Hu, Ms, Rat	ELISA, ICC/IF, IHC, WB
JMJD6	GTX110746	PSR antibody	Rb pAb	Hu, Ms	IHC-P, WB
	GTX115660	LSD1 antibody	Rb pAb	Hu	WB
	GTX83263	LSD1/ACOF2 antibody [1B2E5]	Ms mAb	Hu, Ms, Mk	ELISA, IHC, IHC-P, WB
LSD1	GTX83263	LSD1/ACOF2 antibody [1B2E5]	Ms mAb	Hu, Ms, Mk	ELISA, IHC, IHC-P, WB
	GTX60362	LSD1 antibody - ChIP grade	Rb pAb	Hu	WB, ChIP assay



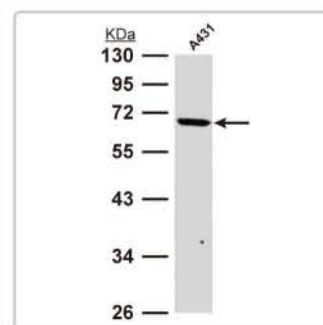
KDM6A antibody [N2C1], Internal (GTX121246)
ChIP analysis with KDM6A antibody on chromatin extract of HeLa cells.



JARID1C antibody [N1N2], N-term (GTX109831)
WB analysis with JARID1C antibody on whole cell lysate of A431 cells or HeLa cells.



JMJD3 antibody [C2], C-term (GTX124222)
WB analysis with JMJD3 antibody on whole cell lysate of 293T cells or A375 cells.



PSR antibody (GTX110746)
WB analysis with PSR antibody on whole cell lysate of A431 cells.



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