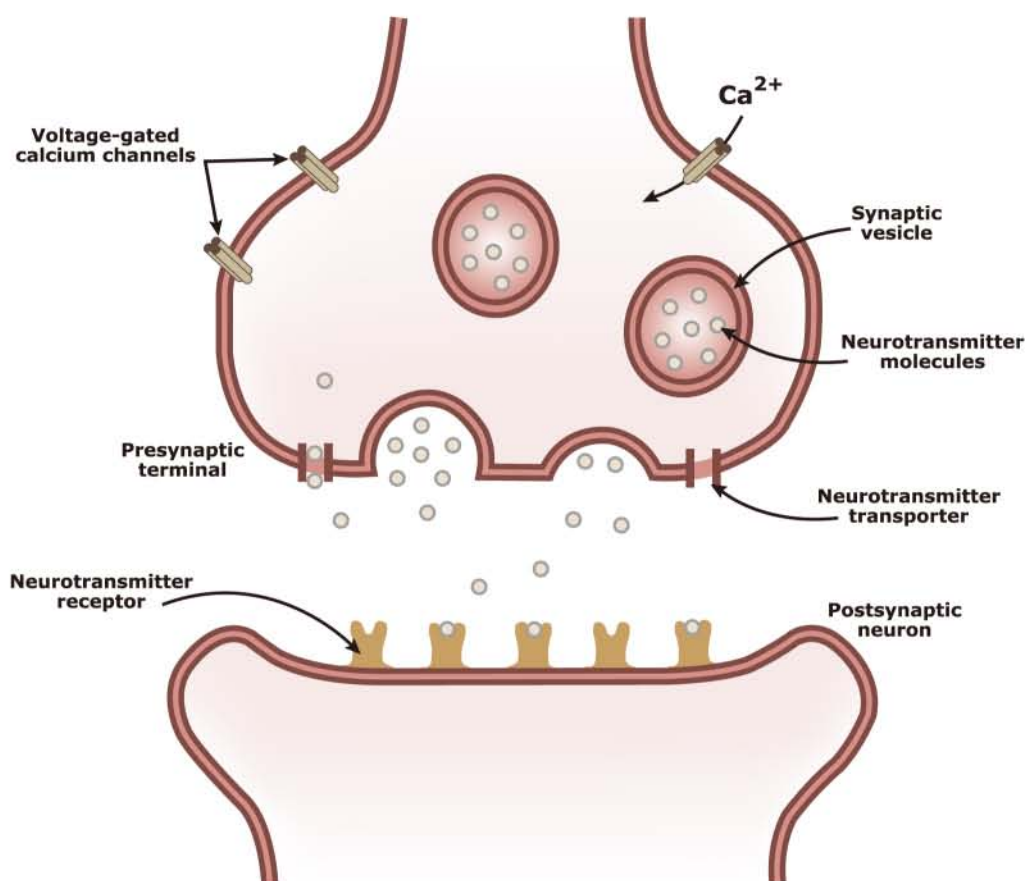




Neurotransmission



Neurotransmission is the process by which nerve impulses are propagated from one neuron to another. Neurotransmitters are released by the axon terminal of the presynaptic neuron after the initiation of an action potential. Once released into the synapse, neurotransmitters bind to and activate specific receptors on the postsynaptic neuron. Signal termination is achieved by clearance of the neurotransmitter from the synaptic cleft, either by enzymatic degradation or reuptake by the presynaptic neuron. GeneTex is proud to introduce a comprehensive line of antibodies for the study of neurotransmission, including antibodies for neurotransmitters, neurotransmitter receptors, transporters and members of the biosynthetic and degradation pathways.

Dopamine (DA)

	Cat. No.	Product name	Host & Clonality	Reactivity	Application
DA	GTX21001	Dopamine antibody	Ms mAb		Blocking, IHC-Fr, IHC-P
	GTX30994	Dopamine [2B11] antibody	Ms mAb		ICC/IF
Receptor	GTX61777	Dopamine receptor D1 [EP1560Y] antibody	Rb mAb	Hu, Ms, Rat	FACS, WB
	GTX13317	Dopamine receptor D1 antibody	Rb pAb	Hu	ICC/IF, IHC-P
	GTX71745	Dopamine receptor D2 antibody	Rb pAb	Hu	IHC-P
	GTX30996	Dopamine receptor D3 antibody	Rb pAb	Hu	IHC-P
	GTX108178	Dopamine receptor D4 antibody	Rb pAb	Hu	WB, ELISA-Ag
	GTX71441	Dopamine receptor D4 antibody	Rb pAb	Hu	IHC-P
	GTX77969	Dopamine receptor D5 antibody	Rb pAb	Hu	IHC-P
	GTX30997	Dopamine receptor D5 [SG4-D1b] antibody	Ms mAb	Rat	WB

Dopamine (DA)

	Cat. No.	Product name	Host & Clonality	Reactivity	Application
Transporter	GTX30998	DAT1 antibody	Rb pAb	Hu, Ms, Other	IHC-Fr, WB
	GTX30992	DAT1 antibody	Rat mAb	Ms, Rat, Other	IHC-Fr, WB
Synthesis	GTX113016	Tyrosine Hydroxylase antibody	Rb pAb	Hu, Rat	ICC/IF, IHC, WB, ELISA-Ag
	GTX61717	Tyrosine Hydroxylase [EP1532Y] antibody	Rb mAb	Hu, Ms, Rat	FACS, ICC/IF, WB
	GTX10372	Tyrosine Hydroxylase [185] antibody	Ms mAb	Hu, Ms, Rat	IHC-Fr, WB
	GTX30448	DOPA decarboxylase antibody	Rb pAb	Rat	ICC/IF, IHC-Fr, WB
	GTX31052	L-DOPA antibody	Rb pAb		ELISA

Norepinephrine / Epinephrine (NE / Epi)

	Cat. No.	Product name	Host & Clonality	Reactivity	Application
NE / Epi	GTX31089	Norepinephrine antibody	Rb pAb		ELISA, IHC, ICC/IF, WB
	GTX30988	Adrenaline antibody	Rb pAb		ELISA
Receptor	GTX100190	Adrenergic receptor α1A antibody	Rb pAb	Hu	WB, ELISA-Ag
	GTX12935	Adrenergic receptor α1C antibody	Rb pAb	Hu	IHC-P
	GTX80804	Adrenergic receptor α2A antibody	Rb pAb	Hu, Ms, Rat	IHC-Fr
	GTX82038	Adrenergic receptor α2B antibody	Ch pAb	Hu	WB
	GTX100334	Adrenergic receptor α2C antibody	Rb pAb	Hu	WB, ELISA-Ag
	GTX100040	Adrenergic receptor β2 antibody	Rb pAb	Hu	WB, ELISA-Ag
	GTX13301	Adrenergic receptor β3 antibody	Rb pAb	Hu	IHC-P
Transporter	GTX78428	VMAT2 antibody	Rb pAb	Hu, Ms, Rat	WB
Synthesis	GTX101616	Dopamine β-hydroxylase antibody	Rb pAb	Hu	ICC/IF, IHC-P, WB, ELISA-Ag
	GTX62704	Dopamine β-hydroxylase antibody	Rb pAb	Hu, Ms, Rat	WB

Serotonin (5-HT)

	Cat. No.	Product name	Host & Clonality	Reactivity	Application
5-HT	GTX10385	Serotonin antibody	Rb pAb		IHC-Fr, IHC-P
	GTX16007	Serotonin [5HT-H209] antibody	Ms Mab		ICC/IF, IHC-Fr, IHC-P
Receptor	GTX104703	5-HT1A receptor antibody	Rb pAb	Hu, Ms	WB, ELISA-Ag
	GTX13896	5-HT1B receptor antibody	Rb pAb	Hu, Ms, Rat	WB
	GTX30978	5-HT1B receptor antibody	Rb pAb	Hu	IHC-P
	GTX13895	5-HT1D receptor antibody	Rb pAb	Hu, Ms, Rat	WB
	GTX30979	5-HT1E receptor antibody	Rb pAb	Hu	IHC-P
	GTX30980	5-HT1E receptor antibody	Rb pAb	Hu	WB
	GTX30981	5-HT1F receptor antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, WB
	GTX30982	5-HT2A receptor antibody	Gt pAb	Hu	ELISA-Ag
	GTX70497	5-HT2B receptor antibody	Rb pAb	Hu	IHC-P
	GTX100329	5-HT2C receptor antibody	Rb pAb	Hu	WB, ELISA-Ag
	GTX13897	5-HT3 receptor antibody	Rb pAb	Hu, Rat	WB
	GTX30983	5-HT4 receptor antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC, WB
	GTX30984	5-HT5A receptor antibody	Rb pAb	Hu, Rat	IHC-P
	GTX31102	5-HT5B receptor antibody	Rb pAb	Hu, Rat	ELISA, WB
	GTX71629	5-HT6 receptor antibody	Rb pAb	Hu	IHC-P
	GTX13898	5-HT7 receptor antibody	Rb pAb	Hu, Ms, Rat	WB
	GTX30985	5-HT7 receptor antibody	Rb pAb	Hu, Ms	IHC-P
Transporter	GTX31103	Serotonin transporter antibody	Gt pAb	Hu	WB, ELISA-Ag
Synthesis	GTX61516	Tryptophan hydroxylase 1 [EP1311Y] antibody	Rb mAb	Hu, Ms, Rat	FACS, ICC/IF, IHC, IP, WB
	GTX31130	Tryptophan hydroxylase 2 antibody	Rb pAb	Hu, Ms, Rat, Other	ICC/IF, IP, WB

Monoamine degradation pathway

	Cat. No.	Product name	Host & Clonality	Reactivity	Application
Degradation	GTX101289	Monoamine Oxidase A antibody	Rb pAb	Hu	WB, ELISA-Ag
	GTX113771	Monoamine Oxidase B antibody	Rb pAb	Hu	ICC/IF, WB, ELISA-Ag
	GTX101233	COMT antibody	Rb pAb	Hu	WB, ELISA-Ag
	GTX114098	PNMT antibody	Rb pAb	Hu	WB, ELISA-Ag

Acetylcholine (ACh)

	<i>Cat. No.</i>	<i>Product name</i>	<i>Host & Clonality</i>	<i>Reactivity</i>	<i>Application</i>
Ach	GTX30987	Acetylcholine antibody	Rb pAb		IHC-Fr, ELISA
Nicotinic Receptor	GTX31075	Nicotinic AchR [88B] antibody	Ms mAb	Ms, Rat, Zfsh, Other	IHC-Fr, IP, WB
	GTX31076	AChR $\alpha 1$ antibody	Rb pAb	Hu, Ms, Rat	IHC, WB
	GTX77709	AChR $\alpha 2$ antibody	Rb pAb	Hu	WB
	GTX31077	AChR $\alpha 3$ antibody	Rb pAb	Hu	WB, ELISA-Ag
	GTX113653	AChR $\alpha 4$ antibody	Rb pAb	Hu	IHC-P, WB, ELISA-Ag
	GTX31078	AChR $\alpha 4$ antibody	Gt pAb	Hu, Ms, Rat, Other	ELISA, WB
	GTX44644	AChR $\alpha 7$ [319] antibody	Rat mAb	Hu, Rat	IF, IP, WB
	GTX11150	AChR β [B3] antibody	Ms mAb	Hu	FACS, IHC-Fr, IP, WB
	GTX61712	AChR $\beta 1$ (extracellular) [EP2067Y] antibody	Rb mAb	Hu, Ms, Rat	FACS, ICC/IF, WB
	GTX31079	AChR $\beta 2$ antibody	Rb pAb	Hu, Ms, Rat	IHC, WB
	GTX31080	AChR $\beta 4$ antibody	Rb pAb	Hu	IHC, WB
	GTX108482	AChR δ antibody	Rb pAb	Hu	WB, ELISA-Ag
	GTX77688	AChR ϵ antibody	Rb pAb	Hu	WB
	GTX31081	AChR ϵ precursor antibody	Rb pAb	Hu, Ms, Rat	IHC, WB
	GTX74890	AChR γ [C9] antibody	Ms mAb	Hu	FACS, IHC-Fr, IP, WB
Muscarinic Receptor	GTX31062	Acetylcholine receptor M1 antibody	Gt pAb	Hu	ELISA-Ag, WB
	GTX31063	Acetylcholine receptor M2 [31-1D1] antibody	Ms mAb	Hu, Ms, Rat, Other	IP, WB
	GTX31066	Acetylcholine receptor M3 antibody	Rb pAb		IHC-P
	GTX31064	Acetylcholine receptor M4 antibody	Rb pAb	Hu	IHC, IHC-P
	GTX31065	Acetylcholine receptor M5 antibody	Rb pAb	Hu	IHC, IHC-P
Transporter	GTX31136	vAChT antibody	Rb pAb	Hu, Ms, Rat	IHC, WB
Synthesis & Degradation	GTX113164	ChAT antibody	Rb pAb	Hu	ICC/IF, WB, ELISA-Ag
	GTX30990	ChAT antibody	Gt pAb	Hu, Ms, Rat, Other	IHC, WB
	GTX101648	AChE antibody	Rb pAb	Hu	ICC/IF, WB, ELISA-Ag

Glycine

	<i>Cat. No.</i>	<i>Product name</i>	<i>Host & Clonality</i>	<i>Reactivity</i>	<i>Application</i>
Glycine	GTX31036	Glycine antibody	Rb pAb		ICC/IF
Receptor	GTX106112	Glycine Receptor $\alpha 1$ antibody	Rb pAb	Hu	WB, ELISA-Ag
	GTX105634	Glycine Receptor $\alpha 2$ antibody	Rb pAb	Hu	IHC-P, WB, ELISA-Ag
	GTX108513	Glycine Receptor $\alpha 3$ antibody	Rb pAb	Hu	WB, ELISA-Ag

γ -Aminobutyric acid (GABA)

	<i>Cat. No.</i>	<i>Product name</i>	<i>Host & Clonality</i>	<i>Reactivity</i>	<i>Application</i>
GABA	GTX31016	GABA antibody	Ms mAb		ELISA
GABA A Receptor	GTX48552	GABA A $\alpha 1$ receptor antibody	Rb pAb	Hu, Ms, Rat, Zfsh, Other	WB
	GTX48611	GABA A $\alpha 2$ receptor antibody	Rb pAb	Hu, Ms, Rat, Zfsh, Other	WB
	GTX31001	GABA A $\alpha 3$ receptor 3 antibody	Rb pAb	Ms, Rat	WB
	GTX31002	GABA A $\alpha 4$ receptor antibody	Rb pAb	Rat	IP, WB
	GTX31004	GABA A $\alpha 5$ receptor antibody	Rb pAb	Ms, Rat	WB
	GTX31005	GABA A $\alpha 6$ receptor antibody	Gt pAb	Hu, Ms, Rat, Other	ELISA, WB
	GTX31006	GABA A $\beta 1$ receptor antibody	Rb pAb	Hu, Ms, Rat	ELISA, IHC
	GTX31007	GABA A $\beta 1$ receptor antibody	Rb pAb	Hu, Ms, Rat	IP, WB
	GTX31008	GABA A $\beta 2$ receptor antibody	Rb pAb	Hu, Rat, Other	IP, WB
	GTX31009	GABA A $\beta 3$ receptor antibody	Rb pAb	Hu, Rat, Other	IHC-Fr, WB
	GTX31010	GABA A $\beta 3$ receptor antibody	Gt pAb	Hu, Ms, Rat, Other	ELISA, WB
	GTX31013	GABA A $\gamma 2$ receptor antibody	Rb pAb	Hu, Ms, Rat, Other	IP, WB
	GTX31014	GABA A $\gamma 3$ receptor antibody	Rb pAb	Hu, Ms, Rat	WB
	GTX31011	GABA A δ receptor antibody	Rb pAb	Rat	IHC-Fr, IP, WB
	GTX115026	GABA A ϵ receptor antibody	Rb pAb	Hu	WB, ELISA-Ag
	GTX77697	GABA A π receptor antibody	Rb pAb	Hu	WB
	GTX77698	GABA A $\rho 2$ receptor antibody	Rb pAb	Hu	WB
GABA B Receptor	GTX102511	GABA B1 receptor antibody	Rb pAb	Hu	ICC/IF, WB, ELISA-Ag
	GTX71591	GABA B1 receptor antibody	Rb pAb	Hu	IHC-P
	GTX61837	GABA B2 receptor [EP2411Y] antibody	Rb mAb	Hu, Ms, Rat	FACS, ICC/IF, IHC, WB
Synthesis & Degradation	GTX101881	GAD67 antibody	Rb pAb	Hu, Ms	ICC/IF, WB, ELISA-Ag
	GTX62489	GAD67 [EPR2550] antibody	Rb mAb	Hu, Ms, Rat	IP, WB
	GTX100479	4-Aminobutyrate aminotransferase (ABAT) antibody	Rb pAb	Hu	WB, ELISA-Ag

Glutamate

	Cat. No.	Product name	Host & Clonality	Reactivity	Application
AMPA Receptor	GTX61101	GluR1 [E308] antibody	Rb mAb	Hu	IHC, IP, WB
	GTX31031	GluR1 antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC, WB
	GTX61438	GluR2 [EP966Y] antibody	Rb mAb	Hu, Ms, Rat	FACS, IP, WB
	GTX61357	GluR3 [EP813Y] antibody	Rb mAb	Hu, Ms	ICC/IF, IHC, IP, WB
	GTX61506	GluR2/3 [EP929Y] antibody	Rb mAb	Hu, Ms, Rat	ICC/IF, IHC, IP, WB
	GTX31032	GluR4 antibody	Rb pAb	Hu, Ms, Rat	IHC, WB
NMDA Receptor	GTX62367	NMDA receptor 1 [EPR2481(2)] antibody	Rb mAb	Hu, Ms, Rat	FACS, ICC/IF, WB
	GTX31091	NMDA receptor 2A antibody	Rb pAb	Hu, Ms, Rat, Other	IHC, WB
	GTX31087	NMDA receptor 2B antibody	Rb pAb	Hu, Ms, Rat, Other	IHC, WB, ICC/IF
	GTX31092	NMDA receptor 2D antibody	Gt pAb	Hu, Ms, Rat	ELISA, WB
	GTX22639	NMDA receptor 3A + 3B antibody	Ms mAb	Hu	WB
Kainate Receptor	GTX31033	GluR5 antibody	Rb pAb	Hu, Ms, Rat	ELISA, IHC, WB
	GTX31034	GluR6 antibody	Rb pAb	Hu	ELISA, IHC, WB
	GTX31035	GluR7 antibody	Rb pAb	Hu, Ms, Rat	ELISA, IHC-P, WB
Receptor	GTX114453	GRID1 antibody	Rb pAb	Hu	WB, ELISA-Ag
Metabotropic Receptor	GTX15303	mGluR1 antibody	Rb pAb	Hu, Ms, Rat	IHC-P, WB
	GTX10304	mGluR2 antibody	Rb pAb	Hu, Rat	WB
	GTX31057	mGluR2 antibody	Rb pAb	Hu	ICC/IF, IHC, WB
	GTX31058	mGluR3 antibody	Rb pAb	Hu	ICC/IF, IHC, WB
	GTX10309	mGluR3 antibody	Rb pAb	Hu, Ms, Rat	WB
	GTX31056	mGluR 2/3 antibody	Rb pAb	Hu, Ms, Rat	ELISA, IHC, WB
	GTX10307	mGluR2 + mGluR3 antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC-Fr, WB
	GTX78079	mGluR4 antibody	Rb pAb	Hu	IHC-P, WB
	GTX61821	mGluR5 [EPR2425Y] antibody	Rb mAb	Hu, Ms, Rat	FACS, ICC/IF, IHC, WB
	GTX108234	mGluR6 antibody	Rb pAb	Hu	WB, ELISA-Ag
	GTX31059	mGluR6 antibody	Rb pAb	Ms, Rat	ICC/IF, WB
	GTX71327	mGluR7 antibody	Rb pAb	Hu	IHC-P
	GTX31060	mGluR7 antibody	Gt pAb	Hu, Ms, Rat	WB
	GTX15307	mGluR6 + mGluR7 antibody	Rb pAb	Hu, Ms, Rat, Other	IHC-P, IP, WB
	GTX31061	mGluR8 antibody	Rb pAb	Hu, Ms, Rat	ELISA, IHC, WB
Transporter	GTX31138	vGluT1 antibody	Sp pAb	Ms, Rat	IHC, WB
	GTX31139	vGluT2 antibody	Rb pAb	Ms, Rat	IHC, WB
	GTX31140	vGluT3 antibody	Rb pAb	Rat	IHC, IM, RID, WB
	GTX31141	vGluT3 antibody	Rb pAb	Ms	IHC, WB
Synthesis	GTX40603	Glutamate Dehydrogenase antibody (Biotin)	Rb pAb	Cow	ELISA, IM, WB
	GTX110306	ALDH4A1 antibody	Rb pAb	Hu	WB, ELISA-Ag
	GTX109972	FTCD antibody	Rb pAb	Hu	IHC-P, WB, ELISA-Ag
	GTX26284	FTCD/ 58K Golgi protein [58K-9] antibody	Ms mAb	Hu, Rat, Other	ICC/IF, IHC-P, IM, WB

Histamine

	Cat. No.	Product name	Host & Clonality	Reactivity	Application
Histamine	GTX31038	Histamine antibody	Rb pAb		ELISA
Receptor	GTX70501	Histamine H1 receptor antibody	Rb pAb	Hu	IHC-P
	GTX77945	Histamine H2 receptor antibody	Rb pAb	Hu	IHC-P
	GTX31041	Histamine H3 receptor antibody	Rb pAb	Hu, Ms, Rat	ELISA, WB
	GTX31042	Histamine H3 receptor antibody	Rb pAb	Hu	ICC/IF, IHC
	GTX100387	Histamine H4 receptor antibody	Rb pAb	Hu	WB, ELISA-Ag
	GTX71421	Histamine H4 receptor antibody	Rb pAb	Hu	IHC-P
Synthesis	GTX112435	Histidine decarboxylase antibody	Rb pAb	Hu	WB, ELISA-Ag

Opioid

	Cat. No.	Product name	Host & Clonality	Reactivity	Application
Receptor	GTX108125	μ Opioid receptor antibody	Rb pAb	Hu	IHC, WB, ELISA-Ag
	GTX10275	μ Opioid receptor antibody	Rb pAb	Hu, Ms, Rat, Other	ICC/IF, IHC-Fr, WB
	GTX10272	δ Opioid receptor antibody	Rb pAb	Hu, Ms, Rat	ICC/IF
	GTX30993	δ Opioid receptor antibody	Rb pAb	Hu, Ms, Rat	IHC, WB
	GTX31050	κ Opioid receptor antibody	Rb pAb	Hu, Ms, Rat	ELISA, WB
	GTX10283	κ Opioid receptor antibody	Rb pAb	Hu, Ms, Rat, Other	ICC/IF, IHC-Fr
	GTX31142	ζ Opioid receptor antibody	Gt pAb	Hu	ELISA-Ag