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Glyt2 Rabbit mAb

Catalog # AP75506

Product Information

Application	WB
Primary Accession	Q9Y345
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	87434

Additional Information

Gene ID	9152
Other Names	SLC6A5
Dilution	WB~~1:1000-1:5000
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

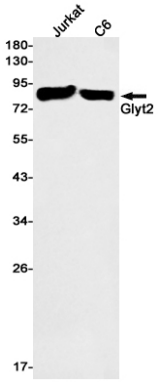
Protein Information

Name	SLC6A5
Synonyms	GLYT2, NET1
Function	Sodium- and chloride-dependent glycine transporter (PubMed: 10381548, PubMed:10606742, PubMed:16751771, PubMed:31370103, PubMed:9845349). Terminates the action of glycine by its high affinity sodium-dependent reuptake into presynaptic terminals (PubMed:9845349). May be responsible for the termination of neurotransmission at strychnine-sensitive glycinergic synapses (PubMed:9845349).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Expressed in medulla, and to a lesser extent in spinal cord and cerebellum.

Background

This gene encodes a sodium- and chloride-dependent glycine neurotransmitter transporter. This integral membrane glycoprotein is responsible for the clearance of extracellular glycine during glycine-mediated neurotransmission. This protein is found in glycinergic axons and maintains a high presynaptic pool of neurotransmitter at glycinergic synapses. Mutations in this gene cause hyperekplexia; a heterogenous neurological disorder characterized by exaggerated startle responses and neonatal apnea. Two transcript variants encoding different isoforms have been found for this gene.

Images



Western blot analysis of Glyt2 in Jurkat, C6 lysates using GlyT2 antibody.

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