10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SLC6A5 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP18482b

Specification

SLC6A5 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9Y345

SLC6A5 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 9152

Other Names
Sodium- and chloride-dependent glycine transporter 2, GlyT-2, GlyT2, Solute carrier family 6 member 5, SLC6A5, GLYT2, NET1

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SLC6A5 Antibody (C-term) Blocking Peptide - Protein Information

Name SLC6A5

Synonyms GLYT2, NET1

Function
Sodium- and chloride-dependent glycine transporter (PubMed:9845349, PubMed:10381548, PubMed:10606742, PubMed:31370103, PubMed:16751771). 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.

SLC6A5 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

SLC6A5 Antibody (C-term) Blocking Peptide - Images

SLC6A5 Antibody (C-term) Blocking Peptide - Background

This gene encodes a sodium- and chloride-dependent glycineneurotransmitter transporter. This integral membrane glycoproteinis responsible for the clearance of extracellular glycine duringglycine-mediated neurotransmission. This protein is found inglycinergic axons and maintains a high presynaptic pool ofneurotransmitter at glycinergic synapses. Mutations in this genecause hyperekplexia; a heterogenous neurological disordercharacterized by exaggerated startle responses and neonatal apnea.

SLC6A5 Antibody (C-term) Blocking Peptide - References

Morgado-Valle, C., et al. J. Neurosci. 30(10):3634-3639(2010)Yokoyama, K., et al. Nephron Clin Pract 115 (4), C237-C243 (2010) :Gratacos, M., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 150B (6), 808-816 (2009) :Koller, G., et al. Addict Biol 14(4):506-508(2009)Deng, X., et al. BMC Psychiatry 8, 58 (2008) :