

SLC6A11 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP17713a**Specification**

SLC6A11 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [P48066](#)**SLC6A11 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 6538**Other Names**

Sodium- and chloride-dependent GABA transporter 3, GAT-3, Solute carrier family 6 member 11, SLC6A11, GABT3, GAT3

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.

SLC6A11 Antibody (N-term) Blocking Peptide - Protein Information**Name** SLC6A11**Synonyms** GABT3, GAT3**Function**

Mediates sodium- and chloride-dependent transport of gamma- aminobutyric acid (GABA) (PubMed:7874447). Can also mediate transport of beta-alanine and to a lower extent that of taurine and hypotaurine (By similarity).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:P31647}; Multi-pass membrane protein

Tissue Location

Widespread distribution in the brain.

SLC6A11 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SLC6A11 Antibody (N-term) Blocking Peptide - Images

SLC6A11 Antibody (N-term) Blocking Peptide - Background

Gamma-aminobutyric acid (GABA) is a major inhibitory neurotransmitter. GABAergic neurotransmission is terminated by the uptake of GABA into the presynaptic terminal and the surrounding astroglial cells by sodium-dependent transporters, such as SLC6A11 (Borden et al., 1994 [PubMed 7874447]).

SLC6A11 Antibody (N-term) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (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) ; Pallo, A., et al. Biochem. Biophys. Res. Commun. 385(2):210-214 (2009) ; Tabakoff, B., et al. BMC Biol. 7, 70 (2009) ;