

SLC36A1 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12170a**Specification**

SLC36A1 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q7Z2H8](#)**SLC36A1 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 206358**Other Names**

Proton-coupled amino acid transporter 1, Proton/amino acid transporter 1, hPAT1, Solute carrier family 36 member 1, SLC36A1, PAT1

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.

SLC36A1 Antibody (N-term) Blocking peptide - Protein Information**Name** SLC36A1 ([HGNC:18761](#))**Function**

Electrogenic proton/amino acid symporter with selectivity for small apolar L-amino acids, their D-enantiomers and selected amino acid derivatives such as 4-aminobutanoate/GABA (PubMed:12809675, PubMed:12527723, PubMed:19549785). May be involved in the efflux from the lysosomal compartment of neutral amino acids resulting from proteolysis (By similarity). May play a role in specifying sites for exocytosis in neurons (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein. Apical cell membrane; Multi-pass membrane protein. Lysosome membrane; Multi-pass membrane protein. Note=In neurons, colocalizes with the exocyst complex in the axonal processes {ECO:0000250|UniProtKB:Q924A5}

SLC36A1 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

SLC36A1 Antibody (N-term) Blocking peptide - Images

SLC36A1 Antibody (N-term) Blocking peptide - Background

This gene encodes a member of the eukaryote-specific aminoacid/auxin permease (AAP) 1 transporter family. The encoded protein functions as a proton-dependent, small amino acid transporter. This gene is clustered with related family members on chromosome 5q33.1.

SLC36A1 Antibody (N-term) Blocking peptide - References

Dorn, M., et al. J. Biol. Chem. 284(33):22123-22132(2009) Dorn, M., et al. FEBS Lett. 583(10):1631-1636(2009) Metzner, L., et al. Mol. Pharm. 6(3):1006-1011(2009) Anderson, C.M., et al. J. Physiol. (Lond.) 587 (PT 4), 731-744 (2009) :Metzner, L., et al. Biochim. Biophys. Acta 1778(4):1042-1050(2008)