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C6orf192 Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP11302a

Specification

C6orf192 Antibody (N-term) Blocking peptide - Product Information

Primary Accession Q6NT16

C6orf192 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 116843

Other Names
MFS-type transporter SLC18B1, Solute carrier family 18 member B1, SLC18B1, C6orf192

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.

C6orf192 Antibody (N-term) Blocking peptide - Protein Information

Name SLC18B1 {ECO:0000303|PubMed:25355561}

Synonyms C6orf192

Function
Proton-coupled polyamine antiporter involved in the translocation of polyamines from cytosol into secretory vesicles prior to their release via exocytosis. Uses the electrochemical proton gradient generated by a V-type proton-pumping ATPase to couple the efflux of protons with the uptake of a polyamine molecule (PubMed:25355561). Facilitates vesicular storage of spermine and spermidine in astrocytes with an impact on glutamatergic neuronal transmission and memory formation (PubMed:25355561) (By similarity). Upon antigen stimulation, regulates polyamine accumulation and release in mast cell secretory granules, which in turn potentiates mast cell degranulation and histamine secretion (By similarity).

Cellular Location
Cytoplasmic vesicle, secretory vesicle membrane {ECO:0000250|UniProtKB:D3Z5L6}; Multi-pass membrane protein. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane {ECO:0000250|UniProtKB:D4A9K4}; Multi-pass membrane protein {ECO:0000250|UniProtKB:D4A9K4}. Note=Colocalizes with VAMP3 and VAMP8 in mast cell

secretory granules, which are distinct from histamine- and serotonin-containing granules (By similarity). Partly colocalizes with SYP in synaptic vesicles in hippocampal neurons. Colocalizes with SYP and VAMP2 in secretory vesicles of astrocytes (By similarity) {ECO:0000250|UniProtKB:D3Z5L6, ECO:0000250|UniProtKB:D4A9K4}

Tissue Location
Expressed in various tissues including lung, placenta, adrenal gland, liver, testis, and brain

C6orf192 Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

C6orf192 Antibody (N-term) Blocking peptide - Images

C6orf192 Antibody (N-term) Blocking peptide - Background

This gene encodes a protein, which has high sequencesimilarity to rat, xenopus and zebrafish proteins. The proteinfunction is unknown.

C6orf192 Antibody (N-term) Blocking peptide - References

Jacobsson, J.A., et al. J. Mol. Neurosci. 41(2):230-242(2010)Fu, G.K., et al. Genomics 84(1):205-210(2004)