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STX4 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP18817c

Specification

STX4 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q12846

STX4 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 6810

Other Names
Syntaxin-4, Renal carcinoma antigen NY-REN-31, STX4, STX4A

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.

STX4 Antibody (Center) Blocking Peptide - Protein Information

Name STX4

Synonyms STX4A

Function
Plasma membrane t-SNARE that mediates docking of transport vesicles (By similarity). Necessary for the translocation of SLC2A4 from intracellular vesicles to the plasma membrane (By similarity). In neurons, recruited at neurite tips to membrane domains rich in the phospholipid 1-oleoyl-2-palmitoyl-PC (OPPC) which promotes neurite tip surface expression of the dopamine transporter SLC6A3/DAT by facilitating fusion of SLC6A3-containing transport vesicles with the plasma membrane (By similarity). Together with STXB3 and VAMP2, may also play a role in docking/fusion of intracellular GLUT4-containing vesicles with the cell surface in adipocytes and in docking of synaptic vesicles at presynaptic active zones (By similarity).

Cellular Location
Cell membrane {ECO:0000250|UniProtKB:Q08850}; Single-pass type IV membrane protein. Cell projection, neuron projection {ECO:0000250|UniProtKB:Q08850}. Note=Localizes to neurite tips in neuronal cells. {ECO:0000250|UniProtKB:Q08850}

Tissue Location
Expressed in neutrophils and neutrophil- differentiated HL-60 cells. Expression in neutrophils

increases with differentiation.

STX4 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

STX4 Antibody (Center) Blocking Peptide - Images

STX4 Antibody (Center) Blocking Peptide - Background

Plasma membrane t-SNARE that mediates docking of transport vesicles. Necessary for the translocation of SLC2A4 from intracellular vesicles to the plasma membrane. Together with STXB3 and VAMP2, may also play a role in docking/fusion of intracellular GLUT4-containing vesicles with the cell surface in adipocytes (By similarity). May also play a role in docking of synaptic vesicles at presynaptic active zones.

STX4 Antibody (Center) Blocking Peptide - References

Evesson, F.J., et al. J. Biol. Chem. 285(37):28529-28539(2010)Kennedy, M.J., et al. Cell 141(3):524-535(2010)Brochetta, C., et al. Biochim. Biophys. Acta 1783(10):1781-1791(2008)Cooper, G.M., et al. Blood 112(4):1022-1027(2008)Low, S.H., et al. Mol. Biol. Cell 17(2):977-989(2006)