

STX4 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18817c**Specification**

STX4 Antibody (Center) Blocking Peptide - Product InformationPrimary 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

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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)