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Syntaxin 4 Rabbit mAb

Catalog # AP76142

Specification

Syntaxin 4 Rabbit mAb - Product Information

Application	**WB**
Primary Accession	Q12846
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Monoclonal Antibody**
Calculated MW	**34180**

Syntaxin 4 Rabbit mAb - Additional Information

Gene ID 6810

Other Names
STX4

Dilution
WB~~1/500-1/1000

Format
Liquid

Syntaxin 4 Rabbit mAb - 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). Required for normal hearing (PubMed:36355422).

Cellular Location
Cell membrane {ECO:0000250|UniProtKB:Q08850}; Single-pass type IV membrane protein. Cell projection, neuron projection {ECO:0000250|UniProtKB:Q08850}. Cell projection, stereocilium {ECO:0000250|UniProtKB:P70452}. Note=Localizes to neurite tips in neuronal cells. {ECO:0000250|UniProtKB:Q08850}

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

Syntaxin 4 Rabbit mAb - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Syntaxin 4 Rabbit mAb - Images