

# Syntaxin 4 Rabbit mAb

Catalog # AP77991

## Product Information

|                   |                        |
|-------------------|------------------------|
| Primary Accession | <a href="#">Q12846</a> |
| Host              | Rabbit                 |
| Clonality         | Monoclonal Antibody    |
| Calculated MW     | 34180                  |

## Additional Information

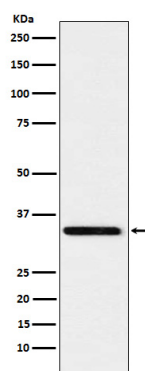
|             |                                                                                          |
|-------------|------------------------------------------------------------------------------------------|
| Gene ID     | 6810                                                                                     |
| Other Names | STX4                                                                                     |
| Format      | Liquid                                                                                   |
| Storage     | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

## Protein Information

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| Name              | STX4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Synonyms          | STX4A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Function          | <p>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:<a href="#">36355422</a>).</p> |
| Cellular Location | <p>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}. Cytoplasm, perinuclear region {ECO:0000250 UniProtKB:P70452}. Note=Localizes to neurite tips in neuronal cells. {ECO:0000250 UniProtKB:Q08850}</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Tissue Location   | <p>Expressed in neutrophils and neutrophil- differentiated HL-60 cells. Expression in neutrophils increases with differentiation.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Images

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