



Syntaxin 4 mouse mAb

Catalog No	YP-mAb-18194
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	STX4 STX4A
Immunogen	Synthesized peptide derived from human Syntaxin 4
Specificity	This antibody detects endogenous levels of Syntaxin 4 at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Syntaxin-4;STX4A;STX4;Renal carcinoma antigen NY-REN-31;STX4 STX4A; Syntaxin-4 (Renal carcinoma antigen NY-REN-31)
Observed Band	35-37 kDa
Calculated Molecular Weight	34 kDa
Cell Pathway	Cell membrane ; Single-pass type IV membrane protein . Cell projection, neuron projection . Localizes to neurite tips in neuronal cells. .
Tissue Specificity	Expressed in neutrophils and neutrophil-differentiated HL-60 cells. Expression in neutrophils increases with differentiation.
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).



Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images