



STX7 mouse mAb

Catalog No	YP-mAb-12312
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	STX7
Immunogen	Synthesized peptide derived from human STX7 AA range: 42-92
Specificity	This antibody detects endogenous levels of STX7 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-7;STX7
Observed Band	
Calculated Molecular Weight	29kD
Cell Pathway	Early endosome membrane ; Single-pass type IV membrane protein .
Tissue Specificity	Highest expression is found in placenta followed by heart, skeletal muscle, kidney and brain. Low expression is found in pancreas, lung and liver.
Function	function:May be involved in protein trafficking from the plasma membrane to the early endosome (EE) as well as in homotypic fusion of endocytic organelles. Mediates the endocytic trafficking from early endosomes to late endosomes and lysosomes.,similarity:Belongs to the syntaxin family.,similarity:Contains 1 t-SNARE coiled-coil homology domain.,subunit:Forms a SNARE complex with VTI1B, STX8 and VAMP8 which functions in the homotypic fusion of late endosomes. Interacts with VPS33A. Found in a complex with VAMP8 and VTI1B in the liver. Part of the SNARE core complex containing VAMP8, STX8 and VTI1B (By similarity). Interacts with VPS11, VPS16 and VPS18.,tissue specificity:Highest expression is found in placenta followed by heart, skeletal muscle, kidney and brain. Low expression is found in pancreas, lung and liver.,



Background

The protein encoded by this gene is a syntaxin family membrane receptor involved in vesicle transport. The encoded protein binds alpha-SNAP, an important regulator of transport vesicle fusion. Along with syntaxin 13, this protein plays a role in the ordered fusion of endosomes and lysosomes with the phagosome. [provided by RefSeq, May 2016],

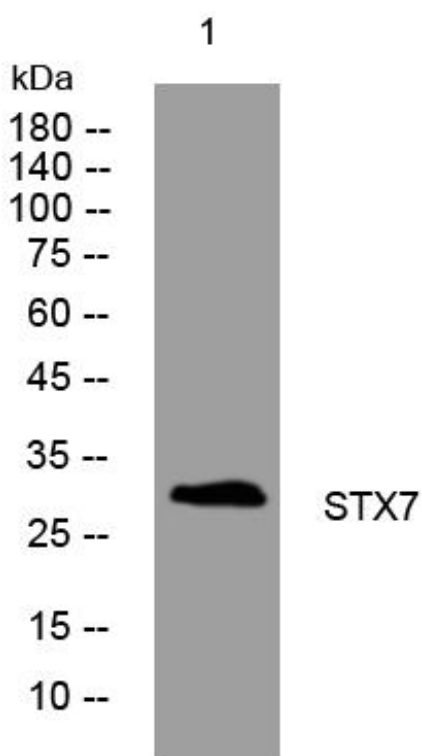
matters needing attention

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



Western Blot analysis of various cells using STX7 mouse mAb