



Rabbit Anti-Syntaxin 6 antibody

SL11261R

Product Name:	Syntaxin 6
Chinese Name:	突触融合蛋白6抗体
Alias:	STX 6; STX6; STX-6; STX6 HUMAN; Syntaxin-6; Syntaxin6.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	29kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Syntaxin 6:161-255/255
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Syntaxins, a family of proteins involved in the fusion of synaptic vesicles with the plasma membrane, display broad tissue distribution and contain carboxy-terminal hydrophobic domains that direct themselves to their respective intracellular compartments. Synaptin 6 is a 255 amino acid protein that is widely expressed, with higher expression levels in brain, lung and kidney. This synaptin co-localizes with vesicle associated membrane protein (VAMP) 4 to tubular and vesicular membranes of the Golgi apparatus. The cytosolic domain of Syntaxin 6 reduces the rate on Glut4

reinternalization upon insulin withdrawal and is involved in a membrane-trafficking process that removes Glut4 from traffic directed to the plasma membrane. Syntaxin 6 is upregulated in activated macrophages in conjunction with an increase in the secretion of cytokines. The delivery of microdomain-associated lipids and proteins to the cell surface is regulated by Syntaxin 6.

Function:

Involved in intracellular vesicle trafficking.

Subunit:

Binds EEA1. Interacts with VPS45A. Interacts with MARCH2 and MARCH3 (By similarity). Interacts with GOPC. Identified in a complex containing STX6, STX12, VAMP4 and VTI1A.

Subcellular Location:

Golgi apparatus membrane.

Similarity:

Belongs to the syntaxin family. Contains 1 t-SNARE coiled-coil homology domain.

SWISS:

O43752

Gene ID:

10228

Database links:

[Entrez Gene: 10228](#)Human

[Entrez Gene: 58244](#)Mouse

[Entrez Gene: 60562](#)Rat

[Omim: 603944](#)Human

[SwissProt: O43752](#)Human

[SwissProt: Q9JKK1](#)Mouse

[SwissProt: Q63635](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.