Munc18-1 Polyclonal Antibody | anti-STXBP1 antibody

Anti-Munc18-1 Antibody

CATALOG #	REACTIVITY	APPLICATIONS
AAA46230	**Human, Mouse, Rat**	**Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

Munc18-1; Polyclonal Antibody; Anti-Munc18-1 Antibody; Syntaxin-binding protein 1; FLJ37475; Munc 18 1; Munc 18a; MUNC18 1; N-Sec1; Neuronal SEC1; NSec1; p67; Protein unc-18 homolog 1; Protein unc-18 homolog A; Rb sec1; RBSEC1; STXB1_HUMAN; STXBP1; Syntaxin binding protein 1; Unc 18 homolog; Unc 18A; Unc-18A; Unc18 1; UNC18; Unc18-1; syntaxin binding protein 1; anti-STXBP1 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	594
Applicable Applications for anti-STXBP1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Munc18-1 (184-216aa KEYPAVRYRGEYKDNALLAQLIQDKLDAYKADD), identical to the related mouse and rat sequences.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES

IHC (Immunohistochemistry)
Anti- Munc18-1 Picoband antibody, AAA46230, IHC(P)IHC(P): Human Glioma Tissue

IHC (Immunohistochemisry)
Anti- Munc18-1 Picoband antibody, AAA46230, IHC(P)IHC(P): Rat Brain Tissue

IHC (Immunohiostchemistry)
Anti- Munc18-1 Picoband antibody, AAA46230, IHC(P)IHC(P): Mouse Brain Tissue

WB (Western Blot)
Anti- Munc18-1 Picoband antibody, AAA46230, Western blottingAll lanes: Anti Munc18-1 (AAA46230) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Mouse Brain Tissue Lysate at 50ugLane 3: PANC Whole Cell Lysate at 40ugLane 4: HEPG2 Whole Cell Lysate at 40ugLane 5: HELA Whole Cell Lysate at 40ugPredicted bind size: 67KDObserved bind size: 67KD

ADDITIONAL INFORMATION

Related Product Information for anti-STXBP1 antibody	Description: Rabbit IgG polyclonal antibody for Syntaxin-binding protein 1(STXBP1) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: Syntaxin-binding protein 1, also known as Munc18-1, is a protein that in humans is encoded by the STXBP1 gene. By fluorescence in situ hybridization, the STXBP1 gene is mapped to chromosome 9q34.1. This gene encodes a syntaxin-binding protein. The encoded protein appears to play a role in release of neurotransmitters via regulation of syntaxin, a transmembrane attachment protein receptor. Mutations in this gene have been associated with infantile epileptic encephalopathy-4. Alternatively spliced transcript variants have been described.
References	1. "Entrez Gene: STXBP1 syntaxin binding protein 1". 2. Fisher, R. J., Pevsner, J., Burgoyne, R. D. Control of fusion pore dynamics during exocytosis by Munc18. Science 291: 875-878, 2001. 3. Swanson DA, Steel JM, Valle D (Jun 1998). "Identification and characterization of the human ortholog of rat STXBP1, a protein implicated in vesicle trafficking and neurotransmitter release". Genomics 48 (3): 373-6.

NCBI AND UNIPROT INFORMATION

NCBI GI #	73760415
NCBI GeneID	6812
NCBI Accession #	NP_001027392.1
NCBI GenBank Nucleotide #	NM_001032221.3
UniProt Accession #	P61764; Q28208; Q62759; Q64320; Q96TG8; B1AM97
Molecular Weight	68,736 Da
NCBI Official Full Name	syntaxin-binding protein 1 isoform b
NCBI Official Synonym Full Names	syntaxin binding protein 1
NCBI Official Symbol	STXBP1
NCBI Official Synonym Symbols	P67; NSEC1; UNC18; RBSEC1; MUNC18-1
NCBI Protein Information	syntaxin-binding protein 1
UniProt Protein Name	Syntaxin-binding protein 1
UniProt Gene Name	**STXBP1**
UniProt Synonym Gene Names	UNC18A; Unc18-1; Unc-18A
UniProt Entry Name	STXB1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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