

Rabbit STXBP1 Polyclonal Antibody | anti-STXBP1 antibody

STXBP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327422	Rabbit	Human, Mouse, Monkey	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

STXBP1; Polyclonal Antibody; STXBP1 Antibody; 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; Syntaxin binding protein 1; Syntaxin-binding protein 1; Unc 18 homolog; Unc 18A; Unc-18A; Unc18 1; UNC18; Unc18-1; anti-STXBP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Monkey
Clonality	Polyclonal
Isotype	IgG
Specificity	STXBP1 antibody detects endogenous levels of total STXBP1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	594
Applicable Applications for anti-STXBP1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human STXBP1
Subcellular Location	Cytoplasm. Membrane.
Tissue Specificity	Brain and spinal cord. Highly enriched in axons.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemisry)

AAA327422 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis STXBP1 using HeLa whole cell lysates



IF (Immunofluorescence)

AAA327422 staining COS7 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-STXBP1 antibody	Function: May participate in the regulation of synaptic vesicle docking and fusion, possibly through interaction with GTP-binding proteins. Essential for neurotransmission and binds syntaxin, a component of the synaptic vesicle fusion machinery probably in a 1:1 ratio. Can interact with syntaxins 1, 2, and 3 but not syntaxin 4. May play a role in determining the specificity of intracellular fusion reactions. Subunit Structure: Binds SYTL4 (By similarity). Interacts with STX1A. Similarity: Belongs to the STXBP/unc-18/SEC1 family.
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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; Q68CM6; Q96TG8; B1AM97
Molecular Weight	Observed: 68 kDa Predicted: 68 kDa
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

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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/stxbp1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/327422>