

Rabbit STXBP1 Polyclonal Antibody | anti-STXBP1 antibody

STXBP1 Antibody

CATALOG # AAA327037	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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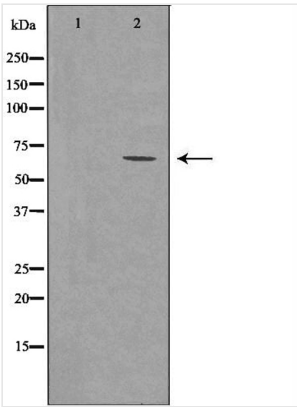
PRODUCT SYNONYMS

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

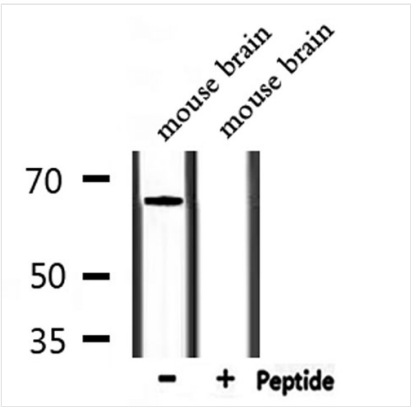
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
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, 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.
Predicted Cross Reactivity	Rabbit
Similarity	Rabbit (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

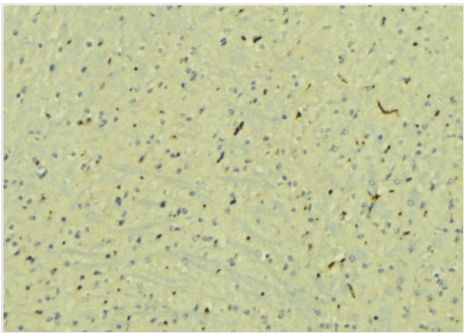
IMAGES



WB (Western Blot)
Western blot analysis of Mouse brain lysate, using STXBP1 Antibody. The lane on the left is treated with the antigen-specific peptide.



WB (Western Blot)
Western blot analysis of extracts from mouse brain, using STXBP1 Antibody.



IHC (Immunohistochemistry)
AAA327037 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.

ADDITIONAL INFORMATION

Related Product Information for anti-STXBP1 antibody

Description: 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.

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.

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: 67 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://www.aaabiotech.com/polyclonal/stxbp1-antibody-immunohistochemistry-western-blot-elisa/327037>