

Rabbit STXBP1 Polyclonal Antibody | anti-STXBP1 antibody

STXBP1 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA296711	Rabbit	Human Predicted reactivity: Bovine, Mouse, Rat	Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

STXBP1; Polyclonal Antibody; STXBP1 Antibody (Center); Syntaxin-binding protein 1; MUNC18-1; N-Sec1; Protein unc-18 homolog 1; Unc18-1; Protein unc-18 homolog A; Unc-18A; p67; UNC18A; anti-STXBP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted reactivity: Bovine, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Number	RB19879
Specificity	This STXBP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 169-197 amino acids from the Central region of human STXBP1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Applicable Applications for anti-STXBP1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Antigen Region	169-197
Antigen Type	Synthetic Peptide
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

STXBP1 Antibody (Center) flow cytometric analysis of NCI-H292 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human brain tissue reacted with STXBP1 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of STXBP1 antibody (Center) in NCI-H460 cell line lysates (35ug/lane).
STXBP1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-STXBP1 antibody	STXBP1 may participate in the regulation of synaptic vesicle docking and fusion, possibly through interaction with GTP-binding proteins. The protein is essential for neurotransmission and binds syntaxin, a component of the synaptic vesicle fusion machinery probably in a 1:1 ratio. It can interact with syntaxins 1, 2, and 3 but not syntaxin 4 and may play a role in determining the specificity of intracellular fusion reactions.
Product Categories/Family for anti-STXBP1 antibody	Primary Antibodies; Cancer; Metabolism; Neuroscience
References	Behan,A.T., Mol. Psychiatry 14 (6), 601-613 (2009)Saitsu,H., Nat. Genet. 40 (6), 782-788 (2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	73760415
NCBI GeneID	6812
NCBI Accession #	NP_001027392.1; NP_003156.1
NCBI GenBank Nucleotide #	NM_001032221.3
UniProt Accession #	P61764; P61765; O08599; P61763
Molecular Weight	67,569 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; N-Sec1; unc-18A; unc18-1; neuronal SEC1; protein unc-18 homolog 1; protein unc-18 homolog A
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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/stxbp1-antibody-clone-rb19879-flow-cytometry-immunohistochemistry-western-blot-elisa/296711>