# antibodies

# Datasheet for ABIN3043413 anti-STXBP1 antibody (N-Term)

4 Images



## Overview

Quantity:	100 µg
Target:	STXBP1
Binding Specificity:	AA 184-216, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STXBP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Purpose:	Rabbit IgG polyclonal antibody for Syntaxin-binding protein 1(STXBP1) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
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.
Sequence:	KEYPAVRYRG EYKDNALLAQ LIQDKLDAYK ADD

 Isotype:
 IgG

 Cross-Reactivity (Details):
 No cross reactivity with other proteins.

 Characteristics:
 Rabbit IgG polyclonal antibody for Syntaxin-binding protein 1(STXBP1) detection. Tested with WB, IHC-P in Human,Mouse,Rat.

 Gene Name: syntaxin binding protein 1

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# Product Details

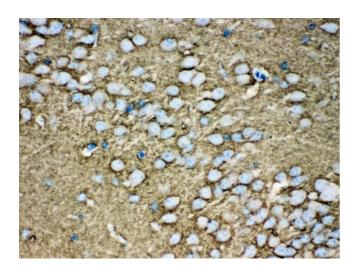
	Protein Name: Syntaxin-binding protein 1
Purification:	Immunogen affinity purified.
Target Details	
Target:	STXBP1
Alternative Name:	STXBP1 (STXBP1 Products)
Background:	Syntaxin-binding protein 1, also known as Munc18-1, is a protein that in humans is encoded by
	the STXBP1 gene. By fluorescence in 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.
	Synonyms: 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 <sup>-</sup>
	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
Gene ID:	6812
UniProt:	P61764
Pathways:	Synaptic Vesicle Exocytosis, Dicarboxylic Acid Transport
Application Details	
Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat
	IHC-P: Concentration: 0.5-1 $\mu$ g/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by
	Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the
	staining of formalin/paraffin sections.
	Notes: Tested Species: Species with positive results. Other applications have not been tested.
	Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by

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# Application Details

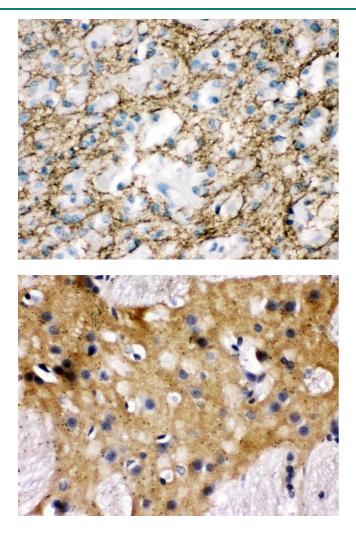
	ABIN921231 in IHC(P).
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 $\mu$ g/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

# Images



# Immunohistochemistry

**Image 1.** Anti- Munc18-1 Picoband antibody, IHC(P) IHC(P): Mouse Brain Tissue



## Immunohistochemistry

Image 2. Anti- Munc18-1 Picoband antibody, IHC(P) IHC(P):

Human Glioma Tissue

### Immunohistochemistry

**Image 3.** Anti- Munc18-1 Picoband antibody, IHC(P) IHC(P): Rat Brain Tissue

Please check the product details page for more images. Overall 4 images are available for ABIN3043413.