

Datasheet for ABIN2792301

anti-STXBP1 antibody (Middle Region)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	STXBP1
Binding Specificity:	Middle Region
Reactivity:	Human, Cow, Dog, Rabbit, Zebrafish (Danio rerio), Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STXBP1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human STXBP1
Sequence:	TRSSASFSTT AVSARYGHWK KNAKAPGEYRS GPRLIIFILG GVSLNEMRCA
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Rabbit: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against STXBP1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	STXBP1
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Target Details

Alternative Name:	STXBP1 (STXBP1 Products)
Background:	STXBP1 belongs to the STXBP/unc-18/SEC1 family. It 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. Alias Symbols: MUNC18-1, UNC18, hUNC18, rbSec1, P67, NSEC1, RBSEC1 Protein Interaction Partner: STX19, SYTL4, TRIM38, STX11, STX1A, APBA2, APBA1, UBC, SQSTM1, DYT10, IQCB1, Htt, KCTD3, APP, STX3, STX2, USO1, DOC2B, DOC2A, CDK5R1, PLD2, PLD1, STX1B, PRKCG, PRKCB, PRKCA, NEFM, NEFH, MAPT, CDK5, HGS, Stx5, Dlg4, STX4, TUBB2A, TUBA4A, Protein Size: 594
Molecular Weight:	67 kDa
Gene ID:	6812
NCBI Accession:	NM_001032221 , NP_001027392
UniProt:	P61764
Pathways:	Synaptic Vesicle Exocytosis , Dicarboxylic Acid Transport

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 594 AA
Restrictions:	For Research Use only

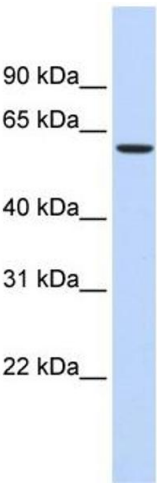
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-STXBP1 Antibody Titration:
0.2-1 ug/ml ELISA Titer: 1:100 Positive Control: Human brain