

Datasheet for ABIN751663
anti-STXBP1 antibody (AA 11-110)



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Overview

Quantity:	100 µL
Target:	STXBP1
Binding Specificity:	AA 11-110
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STXBP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Munc18
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Dog,Pig,Horse,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	STXBP1
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Target Details

Alternative Name:	STXBP1/Munc18 (STXBP1 Products)
Background:	<p>Synonyms: Munc 18 1, Munc 18a, NSec1, p67, Rb sec1, STXBP1, Syntaxin binding protein 1, Unc 18 homolog, Unc 18A, Unc18 1, STXB1_HUMAN, Syntaxin-binding protein 1, MUNC18-1, N-Sec1, Protein unc-18 homolog 1, Unc18-1, Protein unc-18 homolog A, Unc-18A, p67.</p> <p>Background: Munc18 may participate in the regulation of synaptic vesicle docking and fusion, possibly through interaction with GTP binding proteins. It is essential for neurotransmission and binds syntaxin, a component of the synaptic vesicle fusion machinery probably in a 1:1 ratio. Munc18 can interact with syntaxins 1, 2, and 3 but not syntaxin 4. It may play a role in determining the specificity of intracellular fusion reactions. Mutations in Munc18 can result in accumulations of acetylcholine and paralytic phenotype suggestive of a neurotransmitter release defect. Two Munc18 isoforms have recently been identified. Munc18-1 has been shown to be primarily expressed in brain, while Munc18-2 is expressed in most tissues.</p>
Gene ID:	6812
UniProt:	P61764
Pathways:	Synaptic Vesicle Exocytosis , Dicarboxylic Acid Transport

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

	handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months