

Datasheet for ABIN751667

anti-STXBP1 antibody (AA 11-110) (Cy5)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	STXBP1
Binding Specificity:	AA 11-110
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STXBP1 antibody is conjugated to Cy5
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

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
Alternative Name:	STXBP1/Munc18 (STXBP1 Products)

Target Details

Background:	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. 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.
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Gene ID:	6812
UniProt:	P61764
Pathways:	Synaptic Vesicle Exocytosis , Dicarboxylic Acid Transport

Application Details

Application Notes:	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:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date: 12 months