

Datasheet for ABIN5688903
anti-STXBP1 antibody (pSer515)



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Overview

Quantity:	0.1 mL
Target:	STXBP1
Binding Specificity:	pSer515
Reactivity:	Human, Mouse, Rat, Cow, Dog, Chicken, Xenopus laevis
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STXBP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Phosphopeptide corresponding to amino acid residues surrounding the phospho-Ser515 of Munc-18.
Purification:	Affinity Purified

Target Details

Target:	STXBP1
Alternative Name:	Munc-18 (STXBP1 Products)
Background:	Munc-18 (mammalian homologue of Unc-18) is a protein that is thought to be involved in regulating exocytosis due, at least in part, to it ability to bind syntaxin (Ciufo et al., 2005). Munc18-1 is a neuron-specific member of the Sec1/Munc18 protein family that binds to syntaxin1A and is thought to stabilize the complex (Liu et al., 2004). The function of Munc-18 is

Target Details

	thought to be regulated by PKC phosphorylation of Ser515 on the Munc-18 protein (Sassa et al., 1996).
Molecular Weight:	65 kDa
Gene ID:	81804
UniProt:	Q62753
Pathways:	Synaptic Vesicle Exocytosis , Dicarboxylic Acid Transport

Application Details

Application Notes:	The antibody has been directly tested for reactivity in Western blots with rat tissue. It is anticipated that the antibody will react with bovine, canine, chicken, human, mouse, non-human primates and Xenopus based on the fact that these species have 100 % homology with the amino acid sequence used as antigen.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	100 µLin 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per mL BSA and 50 % glycerol.
Storage:	-20 °C
Storage Comment:	Munc-18 antibody can be stored at -20°C and is stable at -20°C for at least 1 year.