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Datasheet for ABIN372671
anti-STXBP1 antibody (pSer515)

2 Images

Overview

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

Product Details

Immunogen:	Phosphopeptide corresponding to amino acid residues surrounding the phospho- Ser515 of Munc-18.
Isotype:	IgG
Specificity:	This antibody recognizes ~65k Munc-18 protein phosphorylated at Ser515. Immunolabeling is blocked by the phosphopeptide used as antigen but not by the corresponding dephosphopeptide.
Purification:	Sequential Chromatography on phospho- and dephosphopeptide affinity columns.

Target Details

Target:	STXBP1
Alternative Name:	STXBP1 / UNC18A (STXBP1 Products)

Target Details

Background:	<p>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 its 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 thought to be regulated by PKC phosphorylation of Ser515 on the Munc-18 protein (Sassa et al., 1996).</p> <p>Alternate names: N-Sec1, Syntaxin-binding protein 1, Unc-18 homolog, Unc-18-1, Unc-18A</p>
Gene ID:	25558
NCBI Accession:	NP_037170
UniProt:	P61765
Pathways:	Synaptic Vesicle Exocytosis , Dicarboxylic Acid Transport

Application Details

Application Notes:	Western blot: 1/1000. Immunohistochemistry: 1/400. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% Glycerol.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store the antibody undiluted (in aliquots) at -20°C.
Expiry Date:	12 months

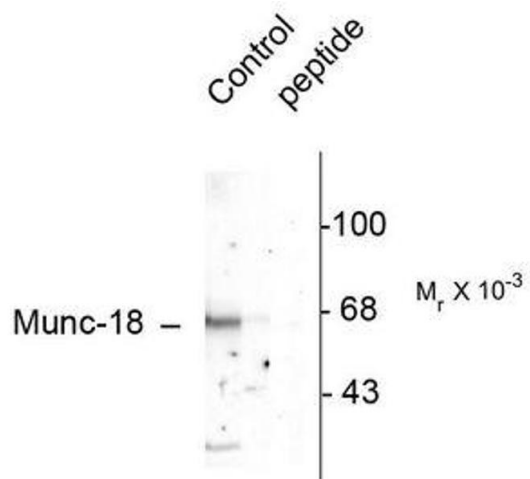


Image 1.

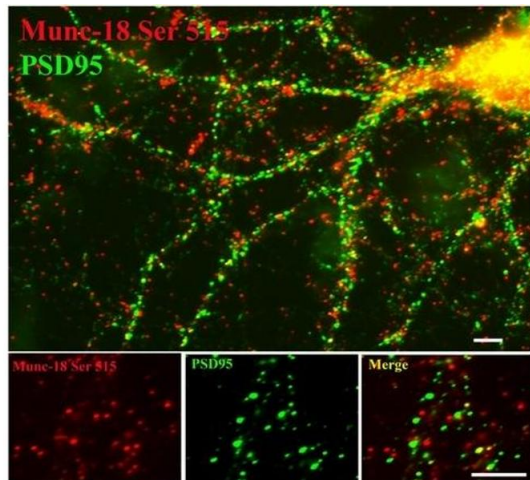


Image 2.