

Datasheet for ABIN1109165
anti-STXBP1 antibody (C-Term, pThr574)



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Overview

Quantity:	0.1 mg
Target:	STXBP1
Binding Specificity:	C-Term, pThr574
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STXBP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Synthetic peptide derived from C-terminal domain of Human STXBP1 protein containing Phosphorylated Thr574
Specificity:	Reacts with Human 67 kDa Unc18-1 phosphorylated at Threonine 574.
Cross-Reactivity (Details):	Species reactivity (expected):Mouse, Rat. Species reactivity (tested):Human.
Purification:	Affinity Chromatography on Protein A

Target Details

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

Target Details

Background:	Unc18-1, 2, and 3 (syntaxin binding proteins 1-3, STXBP1-3, UNC18-a-c, MUNC18-1-3) are chaperone molecules that block syntaxin interactions with cognate SNARE (soluble NSF attachment protein (SNAP) receptor) proteins and regulate exocytosis. Unc18-1-3 mRNA is present in RBL-2H3 mast cells, mouse bone marrow derived mast cells (BMMC), and platelets. Unc18-1 Ser-313 is a protein kinase C phosphorylation site and Thr-574 is a cyclin-dependent kinase 5 phosphorylation site that regulates Unc18-1/syntaxin1A interactions. Unc18-1 is phosphorylated on Ser-313 in response to phorbol ester treatment in adrenal chromaffin cells. Unc18-2 colocalizes with syntaxin 3 at the apical plasma membrane of intestinal, proximal tubule, and collecting duct epithelial cells.Synonyms: N-Sec1, Syntaxin-binding protein 1, Unc-18 homolog, Unc-18-1, Unc-18A
Gene ID:	6812
NCBI Accession:	NP_001027392
Pathways:	Synaptic Vesicle Exocytosis , Dicarboxylic Acid Transport

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Reconstitution:	Restore in distilled water.
Buffer:	0.1 M Tris, 0.1 M Glycine and 2 % Sucrose, None
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Prior to reconstitution store the antibody at -20 °C. Store reconstituted antibody at 2-8 °C for one month or (in aliquots) at -20 °C for longer.