

Anti-Phospho-Munc18-1 (Ser241) STXBP1 Antibody

Catalog Number: P02351

About STXBP1

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 Munc18-1 is thought to be regulated by phosphorylation.

Overview

Product Name	Anti-Phospho-Munc18-1 (Ser241) STXBP1 Antibody
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-Phospho-Munc18-1 (Ser241) STXBP1 Antibody (Catalog # P02351). Tested in WB, IHC applications. This antibody reacts with Mouse, Rat.
Application	IHC, WB
Clonality	Polyclonal 608
Formulation	10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50% glycerol.
Storage Instructions	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C. After date of receipt, stable for at least 1 year at -20°C.
Host	Rabbit
Uniprot ID	O08599

Technical Details

Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser241 of mouse Munc18-1, conjugated to keyhole limpet hemocyanin (KLH). Immunogen species is Mouse.
Predicted Reactive Species	Bovine, Canine, Chicken, Human, Primate, Sheep
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Prepared from pooled rabbit serum by affinity purification via sequential chromatography on phospho and non-phosphopeptide affinity columns.

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

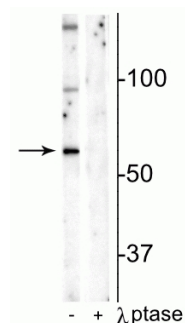
Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

WB: 1:1000

IHC: 1:500

Anti-Phospho-Munc18-1 (Ser241) STXBP1 Antibody (P02351) Images



Western blot of mouse hippocampal lysate showing specific immunolabeling of the ~65 kDa Munc18-1 protein phosphorylated at Ser²⁴¹ in the first lane (-). Phosphospecificity is shown in the second lane (+) where immunolabeling is completely eliminated by blot treatment with lambda phosphatase (gamma-Ptase, 1200 units for 30 min).

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