Datasheet for ABIN361496

anti-SYT1 antibody (pThr202)

2 Images

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Overview

Quantity:	100 µL
Target:	SYT1
Binding Specificity:	pThr202
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SYT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Synthetic phospho-peptide corresponding to amino acid residues surrounding Thr202 conjugated to KLH
Specificity:	Specific for the ~60k - 62k synaptotagmin protein phosphorylated at Thr202. The immunolabeling is completely eliminated by (-phosphatase treatment
Cross-Reactivity:	Rat (Rattus)
Predicted Reactivity:	bovine, canine, chicken, human, mouse, non-human primate, zebra fish
Purification:	Antigen Affinity Purified from Pooled Serum

Target Details

Target:	SYT1

Target Details

Alternative Name:	SYT1 (SYT1 Products)
Molecular Weight:	60/62 kDa
Gene ID:	25716
UniProt:	P21707
Pathways:	Synaptic Vesicle Exocytosis, Dicarboxylic Acid Transport

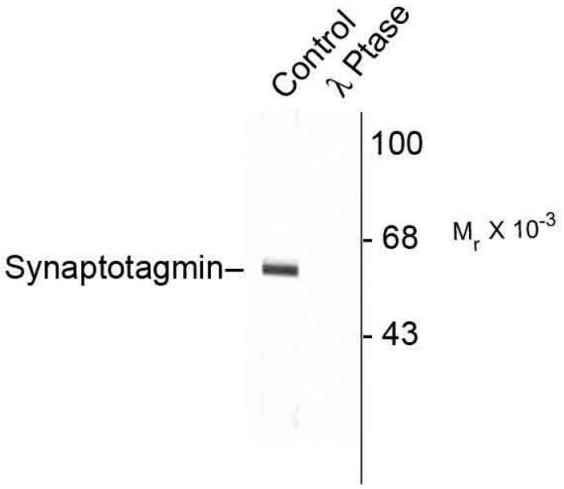
Application Details

Application Notes:	Recommended Dilution: WB: 1:1000 IHC: 1:400 Quality Control: Western blots performed on each lot.
Restrictions:	For Research Use only

Handling

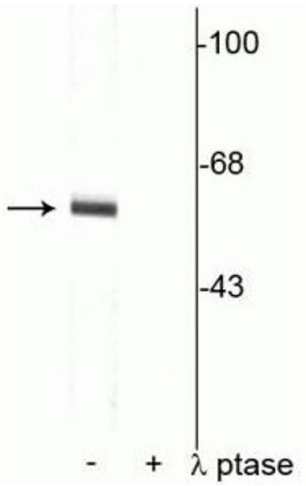
Format:	Liquid
Buffer:	100 µL in 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50 % glycerol.
Storage:	-20 °C

Images



Western Blotting

Image 1. Western blots of rat cortex lysate showing specific immunolabeling of the ~60k - ~62k synaptotagmin phosphorylated at Thr202 (Control). The phosphospecificity of this labeling is shown in the second lane (lambda-phosphatase: (-Ptase). The blot is identical to the control except that it was incubated in (-Ptase (1200 units for 30 min) before being exposed to the Thr202 synaptotagmin antibody. The immunolabeling is completely eliminated by treatment with (-Ptase.



Western Blotting

Image 2. Western blot of rat cortical lysate showing specific immunolabeling of the ~62 kDa synaptotagmin phosphorylated at Thr202 in the first lane (-). Phosphospecificity is shown in the second lane (+) where the immunolabeling is completely eliminated by blot treatment with lambda phosphatase (λ-Ptase, 1200 units for 30 minutes).