

Anti-Phospho-Synapsin I (Ser62,67) Syn1 Antibody

Catalog Number: P03794-2

About SYN1

Synapsin I plays a key role in synaptic plasticity in brain (Feng et al., 2002; Nayak et al., 1996). This effect is due in large part to the ability of the synapsins to regulate the availability of synaptic vesicles for release. The role of synapsin in synaptic plasticity and in synaptogenesis is regulated by phosphorylation (Jovanovic et al., 2001; Kao et al., 2002). Ser-549 along with Ser-62 and Ser-67 are the sites of Synapsin I that are phosphorylated by MAP kinase (Czernik et al., 1987; Jovanovic et al., 1996).

Overview

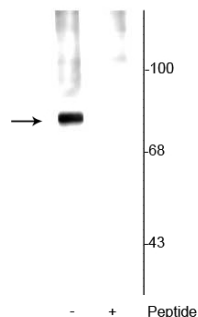
Product Name	Anti-Phospho-Synapsin I (Ser62,67) Syn1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Phospho-Synapsin I (Ser62, 67) Syn1 Antibody (Catalog # P03794-2). Tested in WB applications. This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Polyclonal 608
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	P17599

Technical Details

Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser62/67 of rat synapsin, conjugated to keyhole limpet hemocyanin (KLH). Immunogen species is Rat.
Predicted Reactive Species	Bovine
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	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB: 1:1000</p>

Anti-Phospho-Synapsin I (Ser62,67) Syn1 Antibody (P03794-2) Images



Western blot of rat cortical lysate showing specific labeling of the ~78 kDa synapsin protein phosphorylated at Ser^{62,67} in the first lane (-). Phosphospecificity is shown in the second lane (+) where immunolabeling is blocked by preadsorption with the phosphopeptide used as antigen, but not by the corresponding non-phosphopeptide (not shown).

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