

Synapsin(phospho-Ser549) Antibody

Catalog No: #11568

Package Size: #11568-1 50ul #11568-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

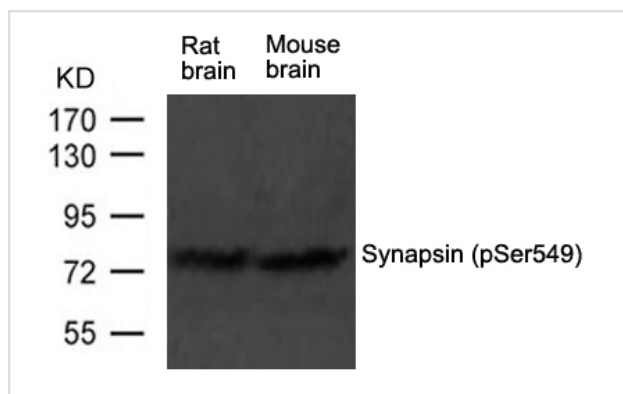
Product Name	Synapsin(phospho-Ser549) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Rt Ms
Specificity	The antibody detects endogenous level of Synapsin only when phosphorylated at serine 549.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 549(P-A-S(p)-P-S)derived from Rat Synapsin
Target Name	Synapsin
Modification	Phospho
Other Names	Syn-1; synapsin I;
Accession No.	Swiss-Prot: O88935NCBI Protein: NP_038708.3
Uniprot	O88935
GeneID	20964;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

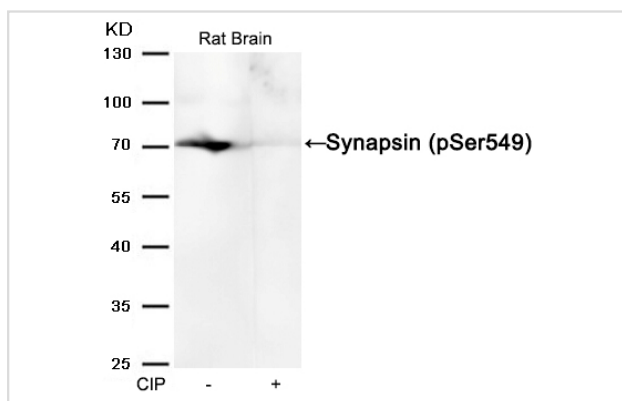
Predicted MW: 78kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extract from rat brain and mouse brain tissue using Synapsin(phospho-Ser549) Antibody using #11568



Western blot analysis of extracts from Rat brain tissue or calf intestinal phosphatase (CIP), using Synapsin (phospho-Ser549) Antibody #11568.

Background

Neuronal phosphoprotein that coats synaptic vesicles, binds to the cytoskeleton, and is believed to function in the regulation of neurotransmitter release. The complex formed with NOS1 and CAPON proteins is necessary for specific nitric-oxid functions at a presynaptic level

Greengard, P. (1987) Mol Neurobiol 1, 81-119.

Hosaka, M. et al. (1999) Neuron 24, 377-87.

Note: This product is for in vitro research use only