

Synapsin(phospho-Ser549) Antibody

Catalog No: #11568

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

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

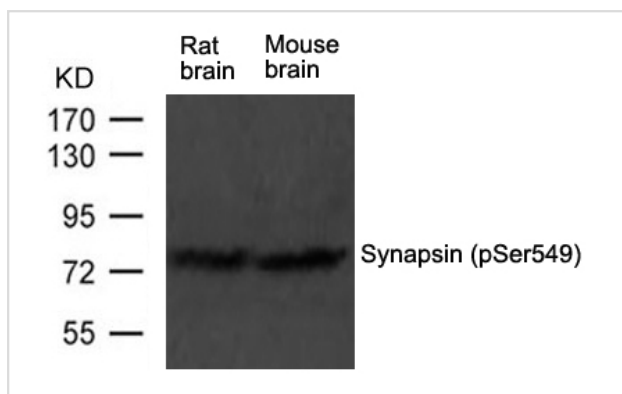
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|-----------------------|--|
| Product Name | Synapsin(phospho-Ser549) Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. 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

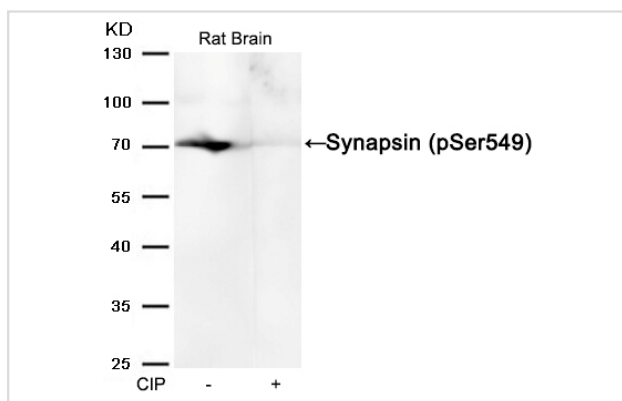
Predicted MW: 78kd

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