

synapsin(Phospho-Ser9) Antibody

Catalog No: #11267



Package Size: #11267-1 50ul #11267-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

| | |
|-----------------------|---|
| Product Name | synapsin(Phospho-Ser9) 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 IF |
| Species Reactivity | Hu Ms Rt |
| Specificity | The antibody detects endogenous level of synapsin only when phosphorylated at serine 9. |
| Immunogen Type | Peptide-KLH |
| Immunogen Description | Peptide sequence around phosphorylation site of serine 9 (R-L-S(p)-D-S) derived from Human SYN1/synapsin. |
| Target Name | synapsin |
| Modification | Phospho |
| Other Names | Syn-1, synapsin I |
| Accession No. | Swiss-Prot: P17600NCBI Protein: NP_008881.2 |
| 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. |

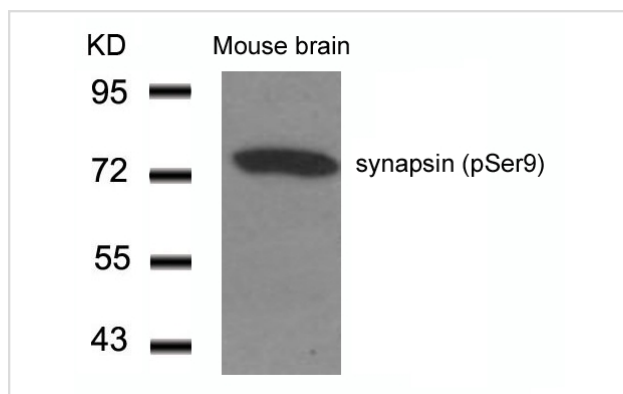
Application Details

Predicted MW: 77kd

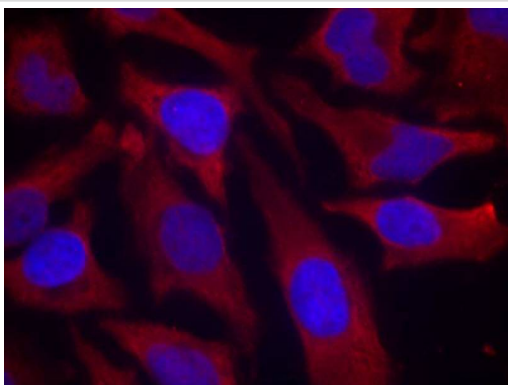
Western blotting: 1:500~1:1000

Immunofluorescence: 1:100~1:200

Images



Western blot analysis of extracts from Mouse Brain tissue using synapsin(Phospho-Ser9) Antibody #11267.



Immunofluorescence staining of methanol-fixed HeLa cells using synapsin(Phospho-Ser9) Antibody #11267.

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

Diviya Sinha, et.al. (2005) Am J Physiol Renal Physiol ; 288: F703 - F713.

Franco Onofri, et.al. (2000) J. Biol. Chem ; 275: 29857.

Dario Bonanomi, et.al. (2005) J. Neurosci; 25: 7299 - 7308.

Hiroshi Tokumitsu, et.al. (2005) J. Biol. Chem ; 280: 35108 - 35118.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.