synapsin(Phospho-Ser9) Antibody

Catalog No: #11267

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

Orders: order@signalwayantibody.com
Support: 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 chromatogramphy 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
Uniprot	P17600
GeneID	6853;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), 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.

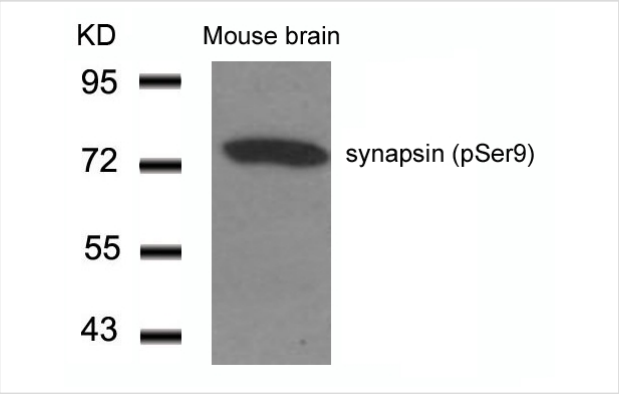
Application Details

Predicted MW: 77kd

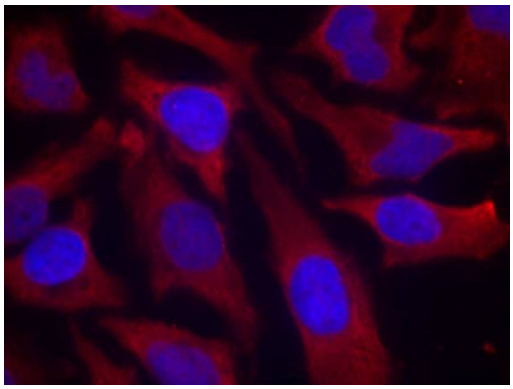
Western blotting: 1:500~1:1000

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