ELK Biotechnology

Synapsin I (phospho Ser9) rabbit pAb

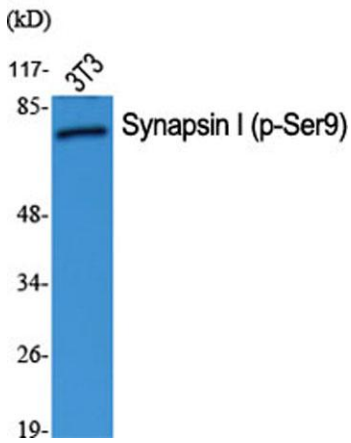
Cat No.:ES1410

For research use only

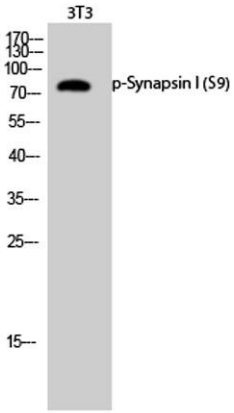
Overview

Product Name	Synapsin I (phospho Ser9) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Synapsin around the phosphorylation site of Ser9. AA range:3-52
Specificity	Phospho-Synapsin I (S9) Polyclonal Antibody detects endogenous levels of Synapsin I protein only when phosphorylated at S9.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Synapsin-1
Gene Name	SYN1
Cellular localization	Cell junction, synapse. Golgi apparatus .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	77kD
Human Gene ID	6853
Human Swiss-Prot Number	P17600
Alternative Names	SYN1; Synapsin-1; Brain protein 4.1; Synapsin I
Background	This gene is a member of the synapsin gene family. Synapsins encode neuronal phosphoproteins which associate with the cytoplasmic surface of synaptic vesicles. Family members are characterized by

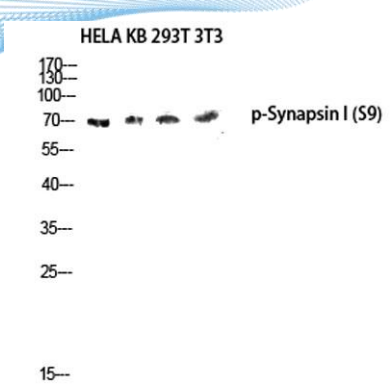
common protein domains, and they are implicated in synaptogenesis and the modulation of neurotransmitter release, suggesting a potential role in several neuropsychiatric diseases. This member of the synapsin family plays a role in regulation of axonogenesis and synaptogenesis. The protein encoded serves as a substrate for several different protein kinases and phosphorylation may function in the regulation of this protein in the nerve terminal. Mutations in this gene may be associated with X-linked disorders with primary neuronal degeneration such as Rett syndrome. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008],



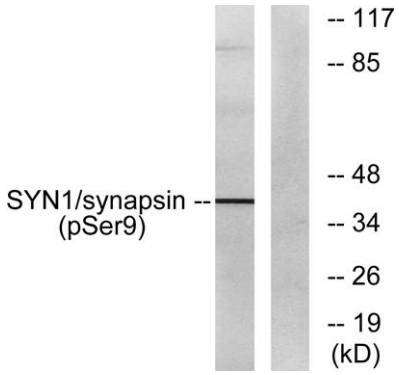
Western Blot analysis of various cells using Phospho-Synapsin I (S9) Polyclonal Antibody diluted at 1:1000



Western Blot analysis of 3T3 cells using Phospho-Synapsin I (S9) Polyclonal Antibody diluted at 1:1000



Western blot analysis of HELA KB 293T 3T3 lysis using Phospho-Synapsin I (S9) antibody. Antibody was diluted at 1:1000



Western blot analysis of lysates from 293 cells treated with PMA 200nM 30', using Synapsin (Phospho-Ser9) Antibody. The lane on the right is blocked with the phospho peptide.

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