



Synapsin I rabbit pAb

Cat No.:ES7327

For research use only

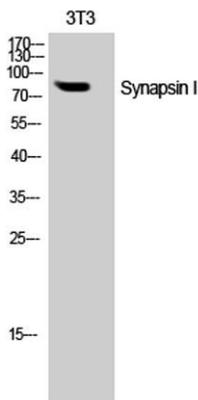
Overview

Product Name	Synapsin I 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 Synapsin1. AA range:26-75
Specificity	Synapsin I Polyclonal Antibody detects endogenous levels of Synapsin I protein.
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	80kD
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



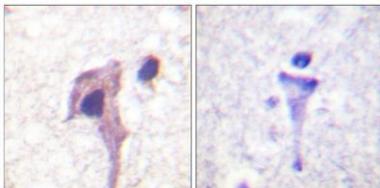


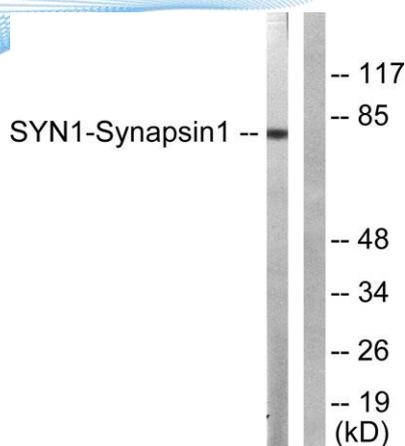
in synaptogenesis and the modulation of neurotransmitter release, suggesting a potential role in several neuropsychiatric diseases. This member of the synapsin family plays a role in regulation of axonogenesis and synaptogenesis. The protein encoded serves as a substrate for several different protein 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 NIH-3T3 cells using Synapsin I Polyclonal Antibody

Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Synapsin1 Antibody. The picture on the right is blocked with the synthesized peptide.





Western blot analysis of lysates from NIH/3T3 cells, treated with Nocodazole 1ug/ml 16h, using Synapsin1 Antibody. The lane on the right is blocked with the synthesized peptide.

