

Catalog No



Synapsin-1 (phospho Ser553) Polyclonal Antibody

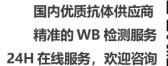
BYab-14581

Catalog No	B (ab- 1456)
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC
Gene Name	SYN1
Protein Name	Synapsin-1
Immunogen	Synthesized phospho-peptide around the phosphorylation site of human Synapsin-1 (phospho Ser553)
Specificity	Phospho-Synapsin-1 (S553) Polyclonal Antibody detects endogenous levels of Synapsin-1 around the phosphorylation site of S553 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SYN1; Synapsin-1; Brain protein 4.1; Synapsin I
Observed Band	75kD
Cell Pathway	
Cell Falliway	Cell junction, synapse. Golgi apparatus .
Tissue Specificity	Cell junction, synapse. Golgi apparatus . Brain,Brain cortex,

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NOS1. Isoform Ib interacts with

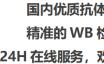
Background	This gene is a member of the synapsin gene family. Synapsins encode neuronal phosphoproteins which associate with the cytoplasmic surface of synaptic vesicles. Family members are characterized by common protein domains, and they are implicated in synaptogenesis and the modulation of neurotransmitter 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],
matters needing attention	Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

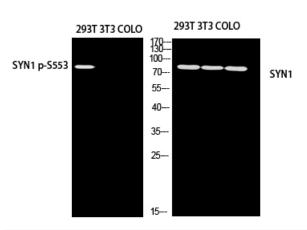
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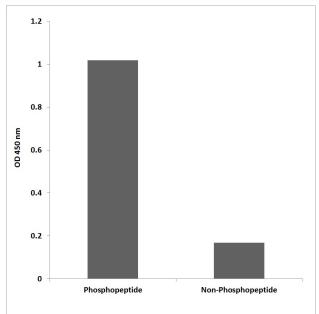




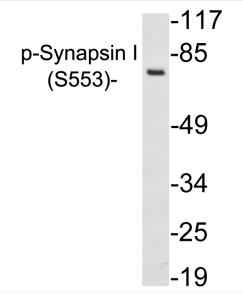
Products Images



Western blot analysis of 293T using SYN1 p-S553 antibody. Antibody was diluted at 1:500



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Synapsin I (Phospho-Ser553) Àntibody

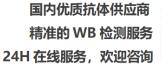


Western blot analysis of lysates from 293 cells treated with PMA, using p-Serynapsin I (Phospho-Ser553) antibody.

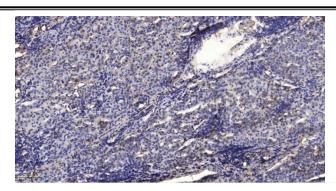
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Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

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