

Anti-Phospho-Synapsin I (S9) Rabbit Monoclonal Antibody
Catalog # ABO13097**Specification**

Anti-Phospho-Synapsin I (S9) Rabbit Monoclonal Antibody - Product Information

Application	WB, IHC
Primary Accession	P17600
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-Phospho-Synapsin I (S9) Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.

Anti-Phospho-Synapsin I (S9) Rabbit Monoclonal Antibody - Additional Information

Gene ID 6853

Other Names

Synapsin-1, Brain protein 4.1, Synapsin I, SYN1

Calculated MW

74097 MW KDa

Application Details

WB 1:500-1:2000
IHC 1:50-1:200

Subcellular Localization

Cell junction, synapse. Golgi apparatus.

Protein Name

Synapsin-1

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human Phospho-Synapsin I (S9)

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-Phospho-Synapsin I (S9) Rabbit Monoclonal Antibody - Protein Information

Name SYN1

Function

Neuronal phosphoprotein that coats synaptic vesicles, and binds to the cytoskeleton. Acts as a regulator of synaptic vesicles trafficking, involved in the control of neurotransmitter release at the pre-synaptic terminal (PubMed: 21441247, PubMed: 23406870). Also involved in the regulation of axon outgrowth and synaptogenesis (By similarity). The complex formed with NOS1 and CAPON proteins is necessary for specific nitric-oxid functions at a presynaptic level (By similarity).

Cellular Location

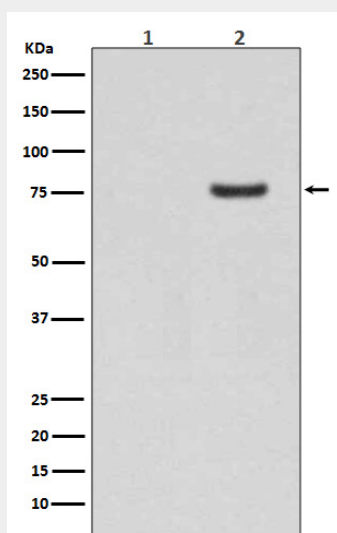
Synapse {ECO:0000250|UniProtKB:O88935}. Golgi apparatus {ECO:0000250|UniProtKB:O88935}. Presynapse. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle {ECO:0000250|UniProtKB:P09951}. Note=Dissociates from synaptic vesicles and redistributes into the axon during action potential firing, in a step that precedes fusion of vesicles with the plasma membrane. Reclusters to presynapses after the cessation of synaptic activity. {ECO:0000250|UniProtKB:P09951}

Anti-Phospho-Synapsin I (S9) Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Phospho-Synapsin I (S9) Rabbit Monoclonal Antibody - Images



Western blot analysis of Phospho-Synapsin I (S9) expression in (1) Human brain lysate; (2) Human brain lysate treated with AP.