

**Phospho-Synapsin I (Ser9) Rabbit mAb**  
Catalog # AP74955**Specification****Phospho-Synapsin I (Ser9) Rabbit mAb - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P17600</a>
Reactivity	Human, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	74111

**Phospho-Synapsin I (Ser9) Rabbit mAb - Additional Information****Gene ID** 6853**Other Names**

SYN1

**Dilution**

WB~~1/500-1/1000

IHC~~1/50-1/100

**Format**

Liquid

**Phospho-Synapsin I (Ser9) Rabbit mAb - 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](http://www.uniprot.org/citations/21441247), PubMed: [23406870](http://www.uniprot.org/citations/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}

## Phospho-Synapsin I (Ser9) Rabbit mAb - 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](#)

## Phospho-Synapsin I (Ser9) Rabbit mAb - Images

