

Synapsin Blocking Peptide
Catalog # PBV10505b**Specification**

Synapsin Blocking Peptide - Product Information

Primary Accession	P17600
Gene ID	6853
Calculated MW	74111

Synapsin Blocking Peptide - Additional Information**Gene ID** 6853**Application & Usage**

The peptide is used for blocking the antibody activity of Synapsin. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

Other Names

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

Target/Specificity

Synapsin

Formulation

50 µg (0.5 mg/ml) Synapsin peptide in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

Synapsin Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

Synapsin Blocking Peptide - 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: <http://www.uniprot.org/citations/21441247> target="_blank">21441247, PubMed: <http://www.uniprot.org/citations/23406870>

target="_blank">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}

Synapsin Blocking Peptide - 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](#)

Synapsin Blocking Peptide - Images