

Anti-SYN1 / Synapsin 1 Antibody (aa113-420)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18542**Specification**

Anti-SYN1 / Synapsin 1 Antibody (aa113-420) - Product Information

Application	WB, IHC-P, E
Primary Accession	P17600
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	74111

Anti-SYN1 / Synapsin 1 Antibody (aa113-420) - Additional Information**Gene ID** 6853**Alias Symbol** SYN1**Other Names**

SYN1, Brain protein 4.1, Synapsin, Synapsin I, Synapsin-1, SYN1a, SYN1b, SYN1

Target/Specificity

Human SYN1 / Synapsin 1

Reconstitution & Storage

Caprylic acid and ammonium sulfate precipitation

Precautions

Anti-SYN1 / Synapsin 1 Antibody (aa113-420) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-SYN1 / Synapsin 1 Antibody (aa113-420) - 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}

Anti-SYN1 / Synapsin 1 Antibody (aa113-420) - 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-SYN1 / Synapsin 1 Antibody (aa113-420) - Images