

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

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS18542

Product Information

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

Additional Information

Gene ID	6853
Alias Symbol	SYN1
Other Names	SYN1, Brain protein 4.1, Synapsin, Synapsin I, Synapsin-1, SYN1a, SYN1b, SYNI
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.

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}

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.