

Anti-Synapsin 1 (pS553) Antibody

Rabbit polyclonal antibody to Synapsin 1 (pS553)

Catalog # AP60807

Product Information

Application	WB
Primary Accession	P17600
Other Accession	O88935
Reactivity	Human, Mouse, Rat, Bovine, Drosophila
Host	Rabbit
Clonality	Polyclonal
Calculated MW	74111

Additional Information

Gene ID	6853
Other Names	Synapsin-1; Brain protein 4.1; Synapsin I
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Synapsin 1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

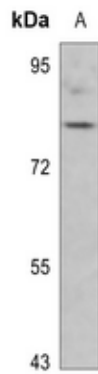
Protein Information

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

Background

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Images



Western blot analysis of Synapsin 1 (pS553) expression in rat brain (A) whole cell lysates.

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