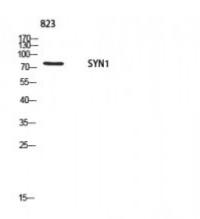


Anti-Synapsin-1 antibody





Description Rabbit polyclonal to Synapsin-1.

Model STJ97690

Host Rabbit

Reactivity Human, Mouse, Rat

Applications ELISA, WB

Immunogen Synthesized peptide derived from human Synapsin-1.

Immunogen Region Internal

Gene ID <u>6853</u>

Gene Symbol SYN1

Dilution range WB 1:500-1:2000ELISA 1:10000

Specificity Synapsin-1 Polyclonal Antibody detects endogenous levels of Synapsin-1

protein.

Purification The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Note For Research Use Only (RUO).

Protein Name Synapsin-1 Brain protein 4.1 Synapsin I

Clonality Polyclonal

Conjugation Unconjugated

Isotype IgG

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Concentration 1 mg/ml

Storage Instruction Store at -20°C, and avoid repeat freeze-thaw cycles.

Database Links HGNC:11494OMIM:300491

Alternative Names Synapsin-1 Brain protein 4.1 Synapsin I

Function Neuronal phosphoprotein that coats synaptic vesicles, binds to the

cytoskeleton, and is believed to function in the regulation of neurotransmitter release. The complex formed with NOS1 and CAPON proteins is necessary

for specific nitric-oxid functions at a presynaptic level.

Sequence and Domain Family The A region binds phospholipids with a preference for negatively charged

species.

Cellular Localization Cell junction, synapse. Golgi apparatus

Post-translational Substrate of at least four different protein kinases. It is probable that **Modifications** phosphorylation plays a role in the regulation of synapsin-1 in the nerve

terminal.; Phosphorylation at Ser-9 dissociates synapsins from synaptic

vesicles.

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