

Synapsin I Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 253218

Unit: 0.1 ml

Description:

Synapsin I plays a key role in synaptic plasticity in brain. This effect is due in large part to the ability of the synapsins to regulate the availability of synaptic vesicles for release. In addition to its role in plasticity, the expression of synapsin I is a precise indicator of synapse formation. Thus, synapsin I immunocytochemistry provides a valuable tool for the study of synaptogenesis. The role of synapsin in synaptic plasticity and in synaptogenesis is regulated by phosphorylation. Serine 9 is the site on synapsin I that is phosphorylated by cAMP-dependent protein kinase and by calcium calmodulin kinase I. Phosphorylation of this site is thought to regulate synaptic vesicle function and neurite outgrowth.

Isotype: Rabbit Ig

Applications: E, IF, IHC, IP, WB

Species Reactivity: H, M, R

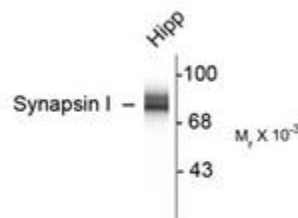
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09%. Antibody was purified by immunogen affinity chromatography.

Alternate Names: Synapsin-1; Synapsin I; SYN1

Accession No.: P17599

Antigen: Native protein purified from bovine brain.

Application Notes: E: 1:500-1:1,000; WB: 1:1,000; IHC: 1:2,000; IF: 1:2,000



The Synapsin I Antibody (Cat. No. 253218) is used in Western blot to detect Synapsin I in rat hippocampal tissue lysates.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.