

Synapsin I Antibody

Catalog No.: 15-288-22298F

Quantity: 0.1 mg

Concentration: 0.2 mg/ml

Background: Synapsin I (synapsin Ia and Ib, MW ~ 80,000 and 77,000 are collectively referred to as synapsin I) is a neuron specific protein that is localized to nerve terminals. The synapsin protein is an excellent marker for synaptic terminals and it can be used to estimate synaptic density and or synaptogenesis. It is thought that synapsin I cross-links synaptic vesicles to the cytoskeleton and thereby limits the ability of these synaptic vesicles to move to active zones and fuse with the plasma membrane during exocytosis. In addition to their role in neurotransmission, the synapsins are also thought to play a role in synapse formation. The appearance of synapsin I immunoreactivity correlates precisely with the development of synapses in the CNS. The synapsin protein is an excellent marker for synaptic terminals and it can be used to estimate synaptic density and or synaptogenesis. The appearance of synapsin I was a precise indicator of synapse formation and that synapsin I immunocytochemistry provides a valuable tool for the study of synaptogenesis.

Host / Isotype: Chicken

Immunogen: Synapsin I purified from bovine brain

Format: **State:** Liquid

Purification: Purified IgG

Buffer System: Phosphate-buffered saline, no preservative added

Applications: IF, IHC-Fr, IP, WB

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: Human and Rat - Not yet tested in other species

Storage: Keep as concentrated solution. Aliquot and store at -20

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com