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Anti-Synapsin I Antibody

Our Anti-Synapsin I rabbit polyclonal primary antibody from PhosphoSolutions is produced in-house. I
Catalog # AN1561

Product Information

Application	WB
Primary Accession	P17599
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	74518

Additional Information

Gene ID	281510
Other Names	Brain protein 4.1 antibody, SYN 1 antibody, SYN 1a antibody, SYN 1b antibody, SYN I antibody, SYN1 antibody, SYN1_HUMAN antibody, SYN1a antibody, SYN1b antibody, Synapsin 1 antibody, Synapsin I antibody, Synapsin-1 antibody, Synapsin1 antibody, SynapsinI antibody, SYNI antibody
Target/Specificity	Synapsin I plays a key role in synaptic plasticity in the brain (Feng et al., 2002; Nayak et al., 1996). 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 (Moore and Bernstein, 1989; Stone et al., 1994). 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 (Jovanovic et al., 2001; Kao et al., 2002).
Dilution	WB~~1:1000
Format	Neat Pooled Serum
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-Synapsin I Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

Background

Synapsin I plays a key role in synaptic plasticity in the brain (Feng et al., 2002; Nayak et al., 1996). 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 (Moore and Bernstein, 1989; Stone et al., 1994). 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 (Jovanovic et al., 2001; Kao et al., 2002).