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Phospho-SYN1(S9) Polyclonal Antibody

Cat #: G-AB-12540

Host: Rabbit **Reactivity:** Human, Mouse, Rat

Isotype: IgG **Clonality:**

Overview:
This gene is a member of the synapsin gene family. Synapsins encode neuronal phosphoproteins which associate with the cytoplasmic surface of synaptic vesicles. Family members are characterized by common protein domains, and they are implicated in synaptogenesis and the modulation of neurotransmitter release, suggesting a potential role in several neuropsychiatric diseases. This member of the synapsin family plays a role in regulation of axonogenesis and synaptogenesis. The protein encoded serves as a substrate for several different protein kinases and phosphorylation may function in the regulation of this protein in the nerve terminal. Mutations in this gene may be associated with X-linked disorders with primary neuronal degeneration such as Rett syndrome. Alternatively spliced transcript variants encoding different isoforms have been identified.

Gene ID: 6853

Accession #:

Immunogen: A phospho specific peptide corresponding to residues surrounding S9 of human SYN1

Conjugation: Unconjugated

Swissprot: P17600

Calculated Molecular Weight: 70 kDa/74 kDa

Observed Molecular Weight: 74 kDa

Concentration: 1 mg/mL

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3

Purification Method: Affinity purification

Application: WB,IF

Dilution: WB 1:500-1:2000 IF 1:100-1:200

Storage: Store at -20°C. Avoid freeze / thaw cycles.