

AP0244

Leader in Biomolecular Solutions for Life Science



## Phospho-SYN1-S9 Rabbit pAb

Catalog No.: AP0244

### Basic Information

**Observed MW**

74kDa

**Calculated MW**

74kDa

**Category**

Polyclonal Antibody

**Applications**

WB, ELISA

**Cross-Reactivity**

Human, Mouse, Rat

### Background

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.

### Recommended Dilutions

WB 1:500 - 1:2000

### Immunogen Information

**Gene ID**

6853

**Swiss Prot**

P17600

**Immunogen**

A synthetic phosphorylated peptide around S9 of human SYN1 (NP\_008881.2).

**Synonyms**

SYN1; EPILX; MRX50; SYN1a; SYN1b; EPILX1; Phospho-SYN1-S9

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

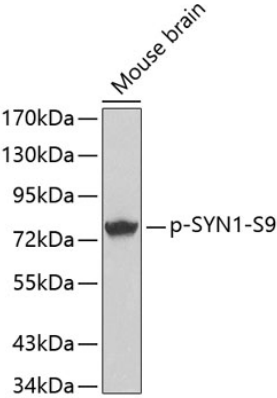
Affinity purification

**Storage**

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

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from mouse Brain tissue using Phospho-SYN1-S9 Rabbit pAb (AP0244).  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% BSA.