

# Phospho-SYN1-S549 Rabbit pAb

Catalog No.: AP0458

1 Publications

## Basic Information

### Observed MW

74kDa

### Calculated MW

74kDa

### Category

Primary antibody

### Applications

WB

### 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 phospho specific peptide corresponding to residues surrounding S549 of human SYN1

### Synonyms

SYNI; EPILX; MRX50; SYN1a; SYN1b; EPILX1; Phospho-SYN1-S549

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

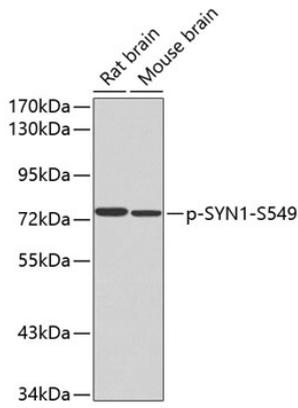
### Storage

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

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

## Validation Data

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Western blot analysis of extract from rat brain and mouse brain tissue, using Phospho-SYN1-S549 antibody (AP0458).  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% BSA.