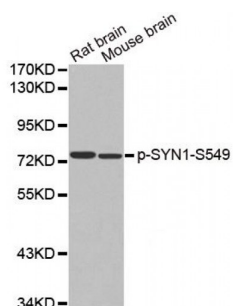


## SYN1 (pS549) Antibody

Catalogue No.: abx000505



Western blot analysis of extract from rat brain and mouse brain tissue, using Phospho-SYN1-S549 antibody (abx000505).

SYN1 (pS549) Antibody is a Rabbit Polyclonal antibody against SYN1 (pS549). 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.

**Target:** SYN1 (pS549)

**Clonality:** Polyclonal

**Reactivity:** Human, Mouse, Rat

**Tested Applications:** WB

**Host:** Rabbit

**Recommended dilutions:** WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

**Immunogen:** Synthetic Peptide. A phospho specific peptide corresponding to residues surrounding S549 of human SYN1.

**Isotype:** IgG

**Form:** Liquid

**Purification:** Affinity purified.

**Storage:** Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

**UniProt Primary AC:** P17600 ([UniProt](#), [ExPASy](#))

**UniProt Secondary AC:** B1AJQ1, O75825, Q5H9A9

**UniProt Entry Name:** SYN1\_HUMAN

**Gene Symbol:** SYN1

**GeneID:** [6853](#)

**String:** [9606.ENSP00000295987](#)

**Molecular Weight:** Calculated MW: 70 kDa, 74 kDa  
Observed MW: 74 kDa

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

**Concentration:** > 1 mg/ml

**Note:** This product is for research use only.