

Rabbit SYN1-S9 Antibody | anti-SYN1 antibody

Phospho-SYN1-S9 Polyclonal Antibody

CATALOG # AAA37402	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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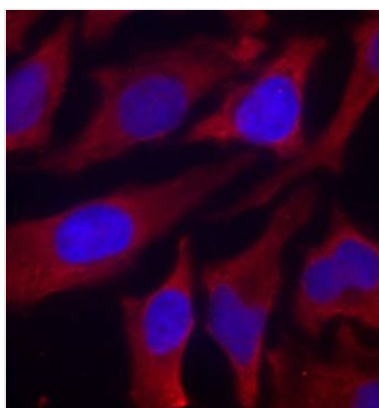
PRODUCT SYNONYMS

SYN1-S9; Phospho-SYN1-S9 Polyclonal Antibody; Phospho-SYN1-S9: SYN1; SYN1a; SYN1b; anti-SYN1 antibody

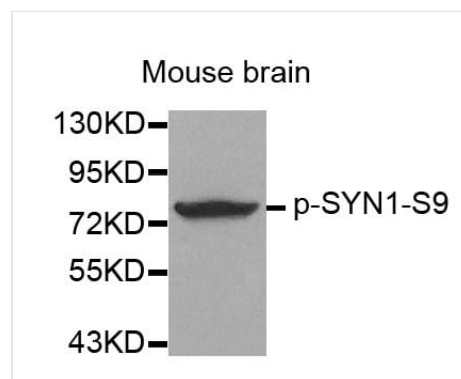
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	705
Applicable Applications for anti-SYN1 antibody	IF (Immunofluorescence), WB (Western Blot)
Species	Human
Route	Synthetic Peptide
Immunogen	A phospho specific peptide corresponding to residues surrounding S9 of human SYN1
Calculated Molecular Weight	77kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES


IF (Immunofluorescence)

Immunofluorescence staining of methanol-fixed HeLa cells using Phospho-SYN1-S9 antibody.


WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-SYN1 antibody	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.
Product Categories/Family for anti-SYN1 antibody	Phosphorylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	73920800
NCBI GeneID	6853
UniProt Accession #	P17600; O75825; Q5H9A9; B1AJQ1
Molecular Weight	705
NCBI Official Full Name	Synapsin-1
NCBI Official Synonym Full Names	synapsin I
NCBI Official Symbol	SYN1
NCBI Official Synonym Symbols	SYNI; SYN1a; SYN1b
NCBI Protein Information	synapsin-1; brain protein 4.1
UniProt Protein Name	Synapsin-1
UniProt Gene Name	SYN1
UniProt Entry Name	SYN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.