

Rabbit Synaptophysin Polyclonal Antibody | anti-SYP antibody

Synaptophysin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320898	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

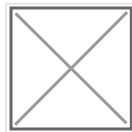
PRODUCT SYNONYMS

Synaptophysin; Polyclonal Antibody; Synaptophysin Antibody; Major synaptic vesicle protein p38; MRX96; MRXSYP; Syn p38; Syp; SYPH; SYPH_HUMAN; SypL; anti-SYP antibody

PRODUCT SPECIFICATIONS

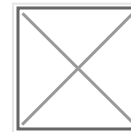
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Synaptophysin antibody detects endogenous levels of total Synaptophysin
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-SYP antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Synaptophysin, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



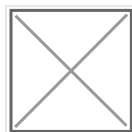
WB (Western Blot)

Western blot analysis of extracts from various samples, using Synaptophysin Antibody. Lane 1: Mouse brain lysates. Lane 2: Mouse lung lysates. Lane 3: Mouse lung lysates treated with blocking peptide.



IHC (Immunohistochemistry)

AAA320898 at 1/100 staining Human normal tissues adjacent to pancreatic cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IF (Immunofluorescence)

AAA320898 staining by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab (AAA320898) and mouse anti-beta tubulin Ab for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-SYP antibody	Description: Possibly involved in structural functions as organizing other membrane components or in targeting the vesicles to the plasma membrane. Involved in the regulation of short-term and long-term synaptic plasticity. Belongs to the synaptophysin/synaptobrevin family. Homohexamer or homotetramer. Note: This description may include information from UniProtKB. Similarity: The calcium-binding activity is thought to be localized in the cytoplasmic tail of the protein. Belongs to the synaptophysin/synaptobrevin family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27764867
NCBI GeneID	6855
NCBI Accession #	NP_003170.1
NCBI GenBank Nucleotide #	NM_003179.2
UniProt Accession #	P08247; Q6P2F7; B2R7L6; B7Z359
Molecular Weight	38 kDa
NCBI Official Full Name	synaptophysin
NCBI Official Synonym Full Names	synaptophysin
NCBI Official Symbol	SYP
NCBI Official Synonym Symbols	MRX96; MRXSYN
NCBI Protein Information	synaptophysin
UniProt Protein Name	Synaptophysin
UniProt Gene Name	SYP

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/synaptophysin-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/320898>