

Rabbit Synaptophysin Polyclonal Antibody | anti-SYP antibody

Synaptophysin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA75702	Rabbit	Chicken, Human, Monkey, Mouse, Rat	Western Blot, Immunoprecipitation, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

Synaptophysin; Polyclonal Antibody; Synaptophysin Antibody; Major synaptic vesicle protein P38; MRXSYP; Syn p38; SYP; SYPH; SynI antibody; anti-SYP antibody

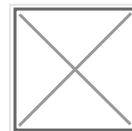
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Chicken, Human, Monkey, Mouse, Rat
Clonality	Polyclonal
Specificity	This antibody does not with cross-react other synaptic vesicle proteins such as synaptotagmin, GAP45, and SNAP25 proteins.
Form/Format	Affinity Purified
Concentration	0.60-0.62 ug/ul in antibody stabilization buffer (varies by lot)
Sequence Length	313
Applicable Applications for anti-SYP antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA, CM (Confocal Microscopy)
Immunogen	Synthetic peptide taken within amino acid region 1-100 on human Synaptophysin protein.
Expression	Characteristic of a type of small (30-80 nm) neurosecretory vesicles, including presynaptic vesicles, but also vesicles of various neuroendocrine cells of both neuronal and epithelial phenotype.
Determinant	N-epitope
Molecular Function	Cholesterol binding, protein self-association, transporter activity
Structure	Homohexamer or homotetramer. Interacts with SRCIN1.
Subcellular Location	Cytoplasmic vesicle degree secretory vesicle degree synaptic vesicle membrane; Multi-pass membrane protein. Cell junction degree Synapse degree synaptosome
Preparation and Storage	-20• degree C for long term storage

IMAGES



IHC (Immunohistochemisry)



IHC (Immunohiostchemistry)



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-SYP antibody	Affinity Purified Synaptophysin Antibody N-epitope 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 (By similarity).
Product Categories/Family for anti-SYP antibody	Primary Antibodies; Signal Transduction; Protein Transport; Vesicle Transport; Synaptophysin Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	135162
NCBI GeneID	6855
UniProt Accession #	P08247; Q6P2F7; B2R7L6; B7Z359
Molecular Weight	20,757 Da
NCBI Official Full Name	Synaptophysin
NCBI Official Synonym Full Names	synaptophysin
NCBI Official Symbol	SYP
NCBI Official Synonym Symbols	MRX96; MRXSYP
NCBI Protein Information	synaptophysin
UniProt Protein Name	Synaptophysin
UniProt Gene Name	SYP
UniProt Entry Name	SYPH_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/synaptophysin-antibody-western-blot-immunoprecipitation-immunohistochemistry-immunofluorescence-immunocytochemistry-confocal-microscopy-elisa/75702>