

Rabbit Synaptophysin/SYP Polyclonal Antibody | anti-SYP antibody

Anti-Synaptophysin/SYP Antibody, Rabbit Polyclonal

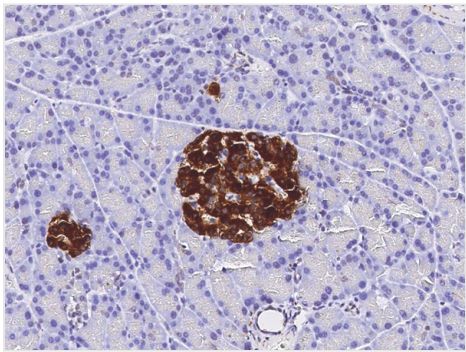
CATALOG # AAA254178	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

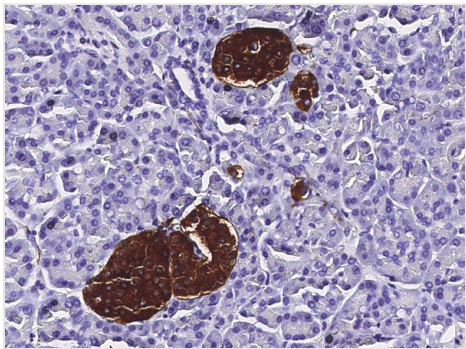
Synaptophysin/SYP; Polyclonal Antibody; Anti-Synaptophysin/SYP Antibody; Rabbit Polyclonal; Synaptophysin Antibody; Rabbit PAb; Antigen Affinity Purified; synaptophysin; Anti-MRX96 Antibody; Anti-MRXSYP Antibody; anti-SYP antibody

PRODUCT SPECIFICATIONS

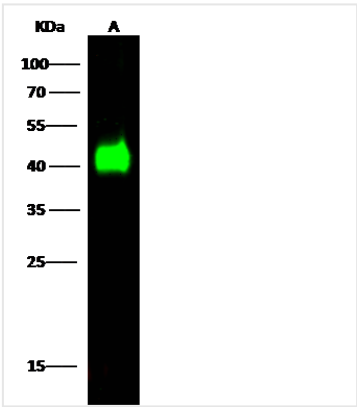
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Synaptophysin/SYP
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-SYP antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the C-terminus of the human Synaptophysin
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with A synthetic peptide corresponding to the C-terminus of the human Synaptophysin, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IHC (Immunohistochemistry)
Immunochemical staining SYP in rat pancreas with rabbit polyclonal antibody (1:5000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
Immunochemical staining SYP in human pancreas with rabbit polyclonal antibody (1:5000, formalin-fixed paraffin embedded sections).



WB (Western Blot)
Anti-SYP rabbit polyclonal antibody at 1:500 dilutionLane A: PC12 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:34 kDaObserved band size:42 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-SYP antibody	Synaptophysin (SYP) is an integral membrane protein of synaptic vesicles and is ubiquitously expressed in neurons throughout the brain, such as small presynaptic vesicles of the nerve cells and in microvesicles of the neuroendocrine cells. SYP is a major protein of neurotransmitter-containing vesicles spanning the membrane four times and contributing to various aspects of the synaptic vesicle cycle. SYP is involved in the release of neurotransmitters, synaptic plasticity, and the formation and recycling of synaptic vesicles. SYP may serve as a specific marker of synaptic proteins. As Syp expression is correlated with synaptogenesis during the development of the central nervous system, the expression of Syp is considered to be a critical aspect of neuronal maturation and circuit formation.
References	Li Q, et al. (2014) Inhibition of synaptophysin ubiquitination may improve the intelligent drop due to high glucose and hypoxia. Int J Clin Exp Med 7 (12): 5021-5030.Kolos YA, et al. (2015) [a synaptic marker synaptophysin]. Morfologiya 147 (1): 78-82.Felkl M, et al. (2008) Interaction assays in yeast and cultured cells confirm known and identify novel partners of the synaptic vesicle protein synaptophysin. Neuroscience 156 (2): 344-352.Aizawa S, et al. (2020) Possible involvement of DNA methylation in hippocampal synaptophysin gene expression during postnatal development of mice. Neurochem Int 132 104587.

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
Molecular Weight	33,845 Da
NCBI Official Full Name	synaptophysin
NCBI Official Synonym Full Names	synaptophysin
NCBI Official Symbol	SYP
NCBI Official Synonym Symbols	MRXSYP
NCBI Protein Information	synaptophysin; major synaptic vesicle protein P38
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://www.aaabiotech.com/polyclonal/synaptophysin-syp-antibody-immunohistochemistry-western-blot-elisa/254178>