

Rabbit SYP Polyclonal Antibody | anti-SYP antibody

SYP Antibody (C-term)

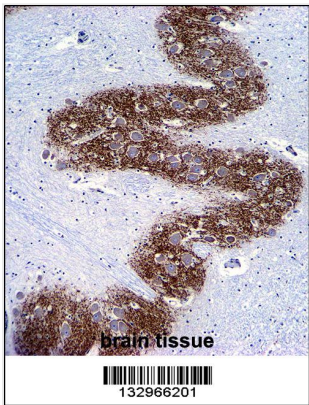
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290662	Rabbit	Human, Mouse; Predicted Reactivity: Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

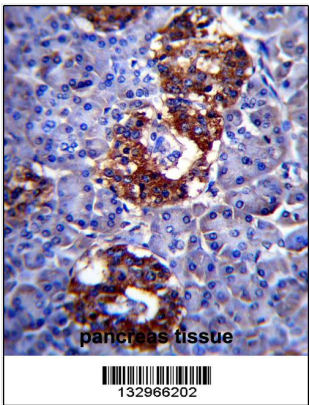
SYP; Polyclonal Antibody; SYP Antibody (C-term); Synaptophysin; Major synaptic vesicle protein p38; anti-SYP antibody

PRODUCT SPECIFICATIONS

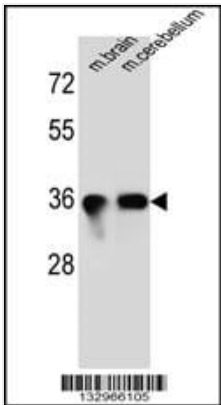
Host	Rabbit
Reactivity	Human, Mouse; Predicted Reactivity: Rat
Clonality	Polyclonal
Isotype	Ig
Specificity	This SYP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 225-253 amino acids from the C-terminal region of human SYP.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Length	313
Applicable Applications for anti-SYP antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Subtitle	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Cellular Location	Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Multi-pass membrane protein. Cell junction, synapse, synaptosome.
Tissue Location	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.
Antigen Region	225-253 aa
Antigen Type	Synthetic Peptide
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



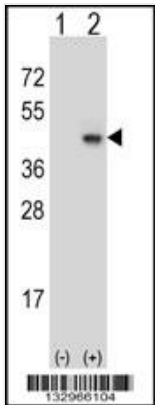
IHC (Immunohistochemistry)
SYP Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of SYP Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



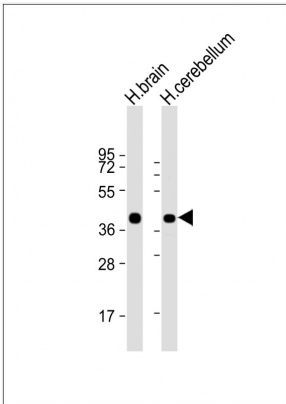
IHC (Immunohistochemistry)
SYP Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of SYP Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
SYP Antibody (C-term) western blot analysis in mouse brain, cerebellum tissue lysates (35ug/lane). This demonstrates the SYP antibody detected the SYP protein (arrow).



WB (Western Blot)
Western blot analysis of SYP (arrow) using rabbit polyclonal SYP Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the SYP gene.



WB (Western Blot)
All lanes : Anti-SYP Antibody (C-term) at 1:8000 dilution
Lane 1: human brain lysate
Lane 2: human cerebellum lysate
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 34 kDa
Blocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-SYP antibody	Description: Synaptophysin (p38) is an integral membrane protein of small synaptic vesicles in brain and endocrine cells. [supplied by OMIM]. Background: 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; Neuroscience
References	Ishida, M., et al. Oncol. Rep. 22 (4):733-737 (2009). Sterlacci, W., et al. Virchows Arch. 455 (2):125-132 (2009). Head, E., et al. Neurobiol. Aging 30 (7):1125-1134 (2009). Gulubova, M., et al. J. Gastroenterol. Hepatol. 23 (10):1574-1585 (2008). Glantz, L.A., et al. Neuroscience 149 (3):582-591 (2007).

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	33845 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://www.aaabiotech.com/polyclonal/syp-antibody-immunohistochemistry-western-blot-elisa/290662>