

Rabbit anti-Human SYP/Synaptophysin Polyclonal Antibody | anti-SYP antibody

SYP/Synaptophysin Rabbit anti-Human Polyclonal Antibody

CATALOG # AAA162983	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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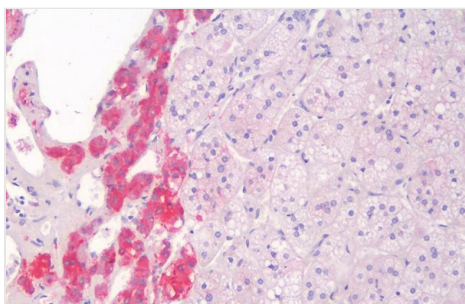
PRODUCT SYNONYMS

SYP/Synaptophysin; Polyclonal Antibody; SYP/Synaptophysin Rabbit anti-Human Polyclonal Antibody; PathPlus SYP/Synaptophysin Antibody; SYP; MRX; Synaptophysin; MRXSYP; anti-SYP antibody

PRODUCT SPECIFICATIONS

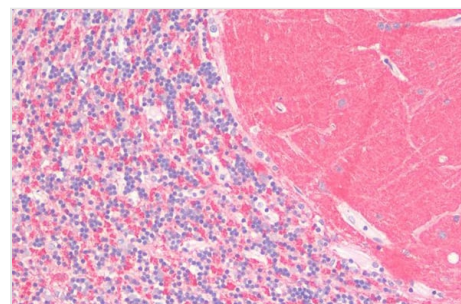
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, 0.1% Sodium Azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-SYP antibody	IHC (Immunohistochemistry)
Target	Human SYP/Synaptophysin
Immunogen	LP-10830, synthetic peptide
Conjugation	Unconjugated
Preparation and Storage	Aliquot and store undiluted at -20 degree C or below for up to 1 year. Can be stored undiluted at 4 degree C for up to 1 month. Avoid freeze-thaw cycles.

IMAGES



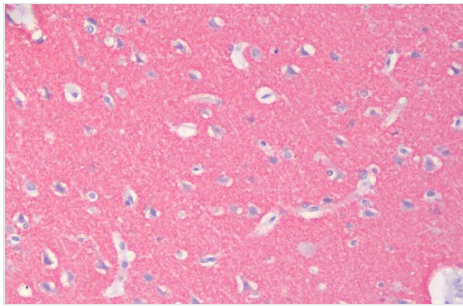
IHC (Immunohistochemistry)

SYP/Synaptophysin Antibody-Human Adrenal: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)

SYP/Synaptophysin Antibody-Human Brain, Cerebellum: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)
 SYP/Synaptophysin Antibody-Human Brain, Cortex: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-SYP antibody	Synaptophysin antibody is an unconjugated rabbit polyclonal antibody to Synaptophysin (SYP) from human. Validated for IHC. SYP (Synaptophysin) is a protein associated with neuronal synaptic vesical membranes and it is involved in regulating endocytosis. In immunohistochemistry, SYP acts as a small cell neuroendocrine marker, and it is a very sensitive marker of neuroendocrine differentiation. It is a specific and sensitive marker for well differentiated neuroendocrine tumors, and it is positive in neural tumors, epithelial tumors and tumors with neuroendocrine differentiation. These include neuroblastomas, retinoblastomas, ganglioneuromas, pheochromocytomas, Merkel cell carcinoma, small and non-small cell cancer of the lung, pancreatic islet cell neoplasms, medullary thyroid carcinomas and medulloblastomas, bronchopulmonary and gastrointestinal carcinoids, and parathyroid and pituitary adenomas. In normal tissue, staining for SYP is expected to be cytoplasmic in islets of Langerhans, peripheral nerves, and neuroendocrine cells and neurons in the brain, retina and spinal cord.
References	Proc Natl Acad Sci USA. 1986, May.83.10; 3500-3504, PMID: 3010302; Cancers 7/31/2012; 4.3; 777-798, PMID: 24213466; Hum Pathol 1990;21:271, PMID: 2107138; Am J Clin Pathol 2011;135:831, PMID: 21571955

NCBI AND UNIPROT INFORMATION

NCBI GeneID	6855
UniProt Accession #	P08247; X06389
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.