

Product datasheet for **AP08120PU-N**

Synaptophysin (SYP) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	Immunohistochemistry for Formalin-Fixed Paraffin Embedded (FFPE) Tissue Sections and Frozen Sections: Dilute 1/100-1/200 using polymer or streptavidin ~Biotin system for 30 mins at RT. This antibody requires antigen retriever (boiling FFPE tissue sections in 10mM citrate buffer, pH 6.0 for 10-20 mins. followed by cooling at RT for 20 mins). <i>Positive Control:</i> Human pancreas or GI tumor.
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide from C-terminus of Human Synaptophysin.
Specificity:	This antibody reacts with Synaptophysin in neuroendocrine neoplasm of neural as well as epithelial type. Cellular localization: Cytoplasmic.
Formulation:	10 mM PO ₄ , 150 mM NaCl, pH 7.4 containing 1% BSA as stabilizer and 0.05% Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein A Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	synaptophysin
Database Link:	Entrez Gene 6855 Human P08247



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Background:

Synaptophysin is a synaptic vesicle glycoprotein with 4 transmembrane domain MW 38 kDa. This protein is present in the membrane of neuronal presynaptic vesicles in brain, spinal cord, retina, vesicles of adrenal medulla, neuromuscular junctions, and endocrine cells. It is also expressed by neuroendocrine cells throughout the body, both normal and neoplastic. Synaptophysin is also a marker of endocrine tumors. It is a useful marker for the identification of normal neuroendocrine cells and neuroendocrine neoplasms.

Synonyms:

Neuroendocrine Marker