

## Polyclonal Antibody to Synaptophysin - Aff - Purified

<b>Alternate names:</b>	Neuroendocrine Marker
<b>Catalog No.:</b>	AP00626PU-N
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.2 mg/ml
<b>Host:</b>	Rabbit
<b>Immunogen:</b>	A synthetic peptide from C-terminus of human Synaptophysin
<b>Format:</b>	<b>State:</b> Liquid purified IgG <b>Purification:</b> Immunogen affinity chromatography <b>Buffer System:</b> 10mM PBS, pH 7.6, with 0.2% BSA and 15mM sodium azide.
<b>Applications:</b>	Immunohistology (Formalin/paraffin): 1:300 for 10 min at RT [Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.] Positive Control: Pancreas or Pheochromocytoma. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	It recognizes a protein of 38kDa, identified as synaptophysin and labels normal neuroendocrine cells of human adrenal medulla, carotid body, skin, pituitary gland, thyroid, lung, pancreas, gastrointestinal mucosa, Paneth's cells in the gastrointestinal tract and of gastric parietal cells. Neurons in the brain, spinal cord, and retina are also labeled. Anti-synaptophysin antibody reacts with neuroendocrine neoplasms of neural as well as epithelial types e.g. neuroblastomas, ganglioneuroblastomas, ganglioneuromas, pheo-chromocytomas, chromaffin, and non-chromaffin paragangliomas. <b>Species:</b> Human and rat. Other species not tested.
<b>Storage:</b>	Store at 2-8°C for up to one month or long term in aliquots at -20°C. Avoid repeated freezing and thawing. Shelf life one year from despatch.
<b>Pictures:</b>	Formalin-fixed, paraffin-embedded human pancreas stained with Synaptophysin antibody (Cat. AP00626) using peroxidase-conjugate and AEC. Note cytoplasmic staining of secretory cells in the islets of Langerhans.

