

Product Datasheet

Synaptophysin Antibody (orb1822614)

Description	This recombinant rabbit monoclonal antibody recognizes a protein of 38kDa that is identified as synaptophysin. It is an N-glycosylated integral membrane protein found in neurons and endocrine cells. Synaptophysin contains four transmembrane domains and may function as a gap junction-like channel. This antibody identifies normal neuroendocrine cells and neuroendocrine neoplasms. Diffuse, finely granular, cytoplasmic staining is observed, which probably correlates with the distribution of the antigen within neurosecretory vesicles. Synaptophysin is an independent, broad-range marker of neural and neuroendocrine differentiation.
Species/Host	Rabbit
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	IHC-P
Immunogen	A recombinant partial protein sequence (within amino acids 274-313) from the human protein was used as the immunogen for the Synaptophysin antibody.
Storage	Aliquot the Synaptophysin antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.
Note	For research use only
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide
Isotype	Rabbit IgG, kappa
Clonality	Recombinant
Clone Number	SYP/7976R
Uniprot ID	P08247
Hazard Information	This Synaptophysin antibody is available for research use only.

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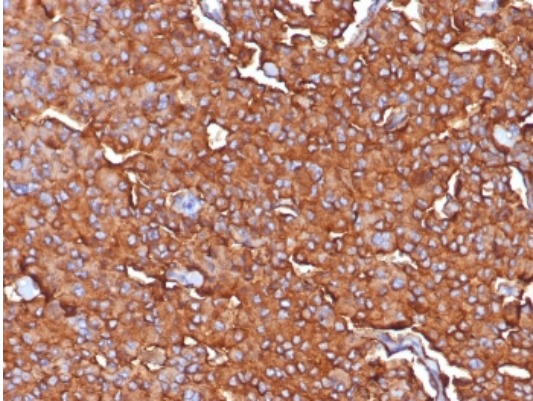
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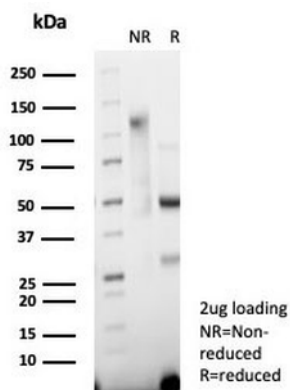
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Dilution Range Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT

Expiration Date 12 months from date of receipt.



IHC staining of FFPE human adrenal tissue with Synaptophysin antibody (clone SYP/7976R). HIER: boil tissue sections in pH9 10 mM Tris with 1 mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free Synaptophysin antibody (clone SYP/7976R) as confirmation of integrity and purity.

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