

Product Datasheet

Synaptophysin Antibody / SYP (orb1822613)

Catalog Number	orb1822613
Category	Antibodies
Description	<p>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.</p>
Clonality	Recombinant
Species/Host	Rabbit
Isotype	Rabbit IgG, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	1 mg/ml in 1X PBS; rAlbumin free, sodium azide free
Purification	Protein A/G affinity
Immunogen	A recombinant partial protein sequence (within amino acids 274-313) from the human protein was used as the immunogen for the Synaptophysin antibody.
UniProt ID	P08247
Tested applications	IHC-P

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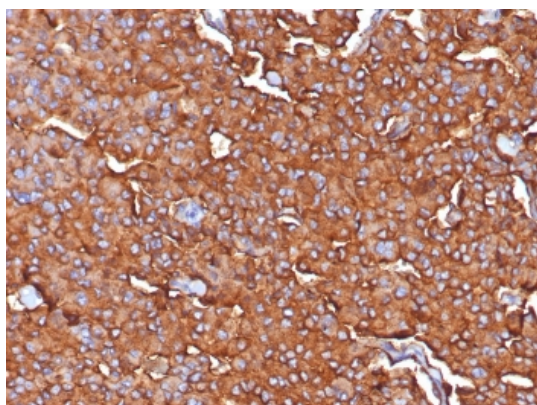
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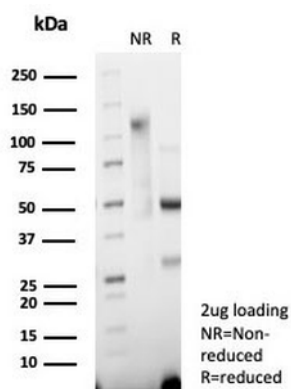
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Dilution range	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Application notes	Optimal dilution of the Synaptophysin antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	SYP/7976R
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
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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