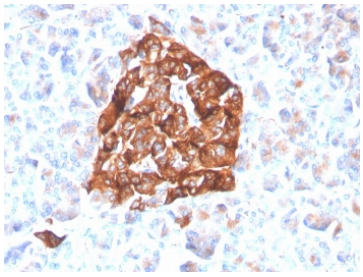
Recombinant Synaptophysin Antibody [clone SYP/4503R] (V8643)

Catalog No.	Formulation	Size
V8643-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8643-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8643SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	SYP/4503R
Purity	Protein A affinity chromatography
UniProt	IDP08247
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT
Limitations	This recombinant Synaptophysin antibody is available for research use only.



IHC staining of FFPE human pancreas with recombinant Synaptophysin antibody (clone SYP/4503R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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.

Application Notes

Optimal dilution of the recombinant Synaptophysin antibody should be determined by the researcher.

Immunogen

A portion of amino acids 224-313 from the human protein was used as the immunogen for the recombinant Synaptophysin antibody.

Storage

Store the recombinant Synaptophysin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).