

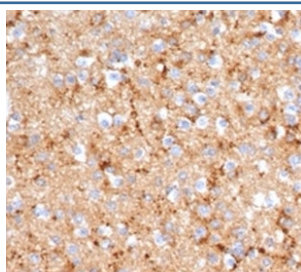
Recombinant SYP Antibody / Synaptophysin [clone rSYP/6856] (V9154)

| Catalog No. | Formulation | Size |
|----------------|---|--------|
| V9154-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V9154-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V9154SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

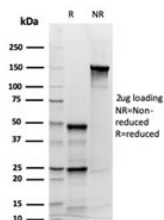
Recombinant **MOUSE MONOCLONAL**

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| | |
|---------------------------|---|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Purified |
| Clonality | Recombinant Mouse Monoclonal |
| Isotype | Mouse IgG1, kappa |
| Clone Name | rSYP/6856 |
| Purity | Protein A/G affinity |
| UniProt | P08247 |
| Localization | Cytoplasm |
| Applications | Immunohistochemistry (FFPE) : 2-4ug/ml |
| Limitations | This recombinant SYP antibody is available for research use only. |



IHC staining of FFPE human brain tissue with recombinant SYP antibody (clone rSYP/6856). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant SYP antibody (clone rSYP/6856) as confirmation of integrity and purity.

Description

This recombinant mouse 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 SYP antibody should be determined by the researcher.

Immunogen

A portion of amino acids 224-313 was used as the immunogen for the recombinant SYP antibody.

Storage

Aliquot the recombinant SYP antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.