

Synaptophysin, clone SY38 Monoclonal Antibody

Catalog No.: MON 9013

Quantity: 1 ml

Specificity

The antibody is specific for Synaptophysin. The specificity was ascertained by immunoblotting and immunohistochemistry. The antibody predominantly reacts with a 38 kDa transmembrane glycoprotein from synaptic vesicles. Antigen was isolated from synaptic vesicles. Antigen location, cytoplasm. Crossreactivity with rat, mouse and cow.

Immunoglobulin type

murine IgG₁

Use

Staining of normal neuroendocrine and neoplastic neuroendocrine cells in tissue sections. The antibody recognizes presynaptic vesicles of neurons of brain, spinal cord, retina neuromuscular junctions, small vesicles of adrenal medulla and pancreatic islets. The antibody can be used for the characterisation of neuroendocrine tumors.

Instructions for use

The antibody can be used on frozen sections and paraffin embedded tissue, proteolytic or T.U.F. pretreatment is not necessary but may, depending on the length of the fixation period, enhance the staining. As positive control adrenal pheochromocytoma and pancreatic islet cell neoplasm are recommended. Optimal dilution should be tested by serial dilutions, a dilution of 1:10 is advised.

Presentation

1 ml diluted ascites with 0.1% sodium azide.

Literature

- Wiedeman, B., et al., 1985, Cell 41, 1017-1028.

FOR RESEARCH USE ONLY, NOT FOR DRUG, DIAGNOSTIC OR OTHER USE.



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