

Synaptophysin clone SYP/3551

Mouse Monoclonal antibody

Instructions For Use

Specification:

This monospecific 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 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.

Availability:

Catalog No.	Contents	Volume
ILM6050-C01	Synaptophysin	0,1 ml concentrate
ILM6050-C05	Synaptophysin	0,5 ml concentrate
ILM6050-C1	Synaptophysin	1,0 ml concentrate

Intended use: For Research Use Only

Reactivity: Human, others not known

Clone: SYP/3551

Species of origin: Mouse

Isotype: IgG1, Kappa

Control tissue: HepG2, SH-SY-5Y, HeLa or Y79 cells. Pancreas, Cerebellum or Pheochromocytoma

Staining: Cytoplasmic

Human Entrez Gene ID: 6855

Human SwissProt: IDP08247

Human Unigene: 632804

Human Chromosome Location: Xp11.23

Immunogen: Recombinant fragment (around aa224-313) of human Synaptophysin (SYP) protein (exact sequence is proprietary)

Presentation: Bioreactor Concentrate with 0.05% BSA and 0.05% Azide

Application and suggested dilutions:

Pretreatment: Heat induced epitope retrieval in 50 mM Tris buffer pH9.5, for 15 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- paraffin embedded tissue section (dilution up to 1:25-1:50)

The optimal dilution for a specific application should be determined by the investigator.

Note: Dilution of the antibody in 10% normal goat serum followed by a goat anti-mouse secondary antibody-based detection is recommended.

Storage & Stability: Store at 2-8 °C. Do not use after expiration date printed on the vial.

References:

- 1) Wiedenmann B, Et al. Identification and localization of Synaptophysin, an integral glycoprotein of Mr. 38.000 characteristic of presynaptic vesicles. Cell. 1985; 41:1017-28