

Mouse Anti-Human Synaptophysin Monoclonal Antibody

Cat. No. CPB-922MH Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	Mouse
Specificity	Human synaptophysin
Clonality	Monoclonal
Positive Control	Neuroendocrine tumor
Staining Pattern	Cytoplasm
Specificity Note	Synaptophysin is a calcium-binding and integral membrane glycoprotein present in presynaptic vesicles in almost all neurons. Synaptophysin has four transmembrane domains and it forms a complex with dynamin at high calcium concentrations suggesting an involvement in synaptic vesicle endocytosis.
Applications	Formalin-fixed paraffin-embedded tissue, or IHC frozen sections. No antigen retrieval necessary.
Recommended Usage	IHC test, research use only. Incubate with samples at RT for 60min or at 4°C overnight.
Storage	2-8°C for 12 months.

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Unit Can be packed on the basis of your request.

GENE INFORMATION

Gene Name [SYP synaptophysin \[Homo sapiens \]](#)

Synonyms SYP;synaptophysin; Major synaptic vesicle protein p38; OTTHUMP00000216753; MRXSYP; OTTHUMP00000216756; MRX

Gene ID [6855](#)

mRNA Refseq [NM_003179.2](#)

Protein Refseq [NP_003170.1](#)

MIM [313475](#)

UniProt ID [P08247](#)

Function [SH2 domain binding](#);[calcium ion binding](#);[cholesterol binding](#);[identical protein binding](#);[protein complex binding](#);[syntaxin-1 binding](#);[transporter activity](#)

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