

Mouse Anti-Human Synaptophysin Monoclonal Antibody

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

SPECIFICATION

Product Overview

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.

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Storage	2-8°C for 12 months.
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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