



Rabbit Anti-Human SYP Monoclonal Antibody, clone CQ7164 (CABT-Z224R)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Synthetic peptide corresponding to synaptophysin residues within aa213-313 of synaptophysin was used as an immunogen.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	CQ7164
Purification	ProA affinity purified IgG.
Conjugate	Unconjugated
Applications	IHC-P Recommended concentration: IHC-P: 1:100-1:200
Molecular Weight	34 kDa
Cellular Localization	Cytoplasm
Positive Control	Glioma
Format	Liquid
Concentration	Lot specific
Size	100 µl

Buffer	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.
Preservative	0.01% Sodium azide
Storage	Store at -20 °C. Avoid freeze/thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	Synaptophysin, also known as the major synaptic vesicle protein p38, is a protein that in humans is encoded by the SYP gene. The exact function of the protein is unknown: it interacts with the essential synaptic vesicle protein synaptobrevin, but when the synaptophysin gene is experimentally inactivated in animals, they still develop and function normally. Synaptophysin reacts with neuroendocrine cells of human adrenal medulla, carotid body, skin, pituitary, thyroid, lung, pancreas, and gastrointestinal mucosa. This antibody identifies normal neuroendocrine cells and neuroendocrine neoplasms. Synaptophysin is expressed independently of other neuronal differentiation markers and may be used as a differentiation marker in tumor diagnosis.
Keywords	SYP; synaptophysin; MRX96; MRXSYP; major synaptic vesicle protein P38

GENE INFORMATION

Gene Name	SYP
Entrez Gene ID	6855
UniProt ID	P08247