



# 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

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

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

## BACKGROUND

<b>Introduction</b>	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.
<b>Keywords</b>	SYP; synaptophysin; MRX96; MRXSYP; major synaptic vesicle protein P38

## GENE INFORMATION

<b>Gene Name</b>	SYP
<b>Entrez Gene ID</b>	<a href="#">6855</a>
<b>UniProt ID</b>	<a href="#">P08247</a>