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SYP Antibody (Y81) Blocking Peptide
Synthetic peptide
Catalog # BP2757a

Specification

SYP Antibody (Y81) Blocking Peptide - Product Information

Primary Accession P08247

SYP Antibody (Y81) Blocking Peptide - Additional Information

Gene ID 6855

Other Names
Synaptophysin, Major synaptic vesicle protein p38, SYP

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP2757a was selected from the Y81 region of human SYP. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SYP Antibody (Y81) Blocking Peptide - Protein Information

Name SYP

Function
Possibly involved in structural functions as organizing other membrane components or in targeting the vesicles to the plasma membrane. Involved in the regulation of short-term and long-term synaptic plasticity (By similarity).

Cellular Location
Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Multi-pass membrane protein. Synapse, synaptosome

Tissue Location
Expressed in the brain, with expression in the hippocampus, the neuropil in the dentate gyrus, where expression is higher in the outer half of the molecular layer than in the inner half, and in the neuropil of CA4 and CA3 (PubMed:8838578). Expressed in the putamen (at protein level)

(PubMed:17296554)

SYP Antibody (Y81) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

SYP Antibody (Y81) Blocking Peptide - Images

SYP Antibody (Y81) Blocking Peptide - Background

Synaptophysin (p38) is an integral membrane protein of small synaptic vesicles in brain and endocrine cells.[supplied by OMIM].

SYP Antibody (Y81) Blocking Peptide - References

Glantz,L.A., Neuroscience 149 (3), 582-591 (2007)Gonzalez-Aragoneses,F., Cancer 110 (8), 1776-1781 (2007)Bonanomi,D., Biochem. J. 404 (3), 525-534 (2007)