

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



Synaptophysin (L128) Peptide

Cat No.: BS1345P

Background

Synaptic vesicles participate in a cycle of fusion with the plasma membrane and reformation by endocytosis. Synaptic vesicle protein synaptophysin (SYP) is targeted to early endosomes in transfected fibroblasts and in neuroendocrine cells. SYP is an N-glycosylated intergral membrane protein found in neurons and endocrine cells that associates into hexamers to form a large conductance channel. SYP contains four transmembrane domains and may function as a gap junction-like channel. Membrane cholesterol specifically interacts with SYP to play a role in vesicle formation. Synaptobrevin (VAMP) also binds to SYP and the resultant complex is upregulated during neuronal development, but is absent in exocytosis fusion complex. Thus, the synaptophysin-synaptobrevin complex is not essential for exocytosis, but rather provides a pool of synaptobrevin for exocytosis.

Swiss-Prot

P08247

Applications

Blocking

Specificity

This peptide can be used with studies using BS1345 Synaptophysin (L128) pAb.

Purification & Purity

Synthetic peptide Synaptophysin (L128). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.

Bioworld Technology, Inc.

1660 South Highway 100, Suite 500 St. Louis Park, MN
55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co, Ltd.

No 9, weidi road Qixia District Nanjing, 210046,
P, R.China.

Email: info@biogot.com

Tel: +86-025-68037686 Fax: +86-025-68035151