

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### Synaptotagmin (T196) Peptide

Cat No.: BS1346P

#### Background

Synaptotagmins are a large gene family of synaptic vesicle type III integral membrane proteins that function as regulators of both exocytosis and endocytosis and are involved in neurotransmitter secretion from small secretory vesicles. Calcium binds to Synaptotagmin I which triggers neurotransmitter release at the synapse. Synaptotagmin II is phosphorylated by WNK1 in a process that regulates calcium-dependent interactions. Synaptotagmin III is involved in calcium-dependent exocytosis of secretory vesicles in endocrine cells and neurons. Synaptotagmin IV is expressed in neuronal tissues, and has the highest mRNA levels in the hippocampus.

#### Swiss-Prot

P21579

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS1346 Synaptotagmin (T196) pAb.

#### Purification & Purity

Synthetic peptide Synaptotagmin (T196). (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.

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