

**Bin1 Blocking Peptide**  
**Catalog # PBV10305b****Specification**

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**Bin1 Blocking Peptide - Product Information**

Primary Accession	<a href="#">O08539</a>
Other Accession	<a href="#">BC065160</a>
Gene ID	<b>30948</b>
Calculated MW	<b>64470</b>

**Bin1 Blocking Peptide - Additional Information****Gene ID** 30948**Application & Usage**

The peptide is used for blocking the antibody activity of active Bin 1. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30 minutes at 37°C

**Other Names**

Myc box-dependent-interacting protein 1, Amphiphysin II, Amphiphysin-like protein, Bridging integrator 1, SH3 domain-containing protein 9, Bin1, AmphiI, Sh3p9

**Target/Specificity**

Bin1

**Formulation**

50 µg (0.2 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 0.1% BSA and 0.02% thimerosal.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

Bin1 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

**Bin1 Blocking Peptide - Protein Information****Name** Bin1**Synonyms** AmphiI, Sh3p9**Function**

Is a key player in the control of plasma membrane curvature, and membrane shaping and remodeling. Required in muscle cells for the formation of T-tubules, tubular invaginations of the plasma membrane that function in depolarization-contraction coupling. Required in muscle cells for the formation of T-tubules, tubular invaginations of the plasma membrane that function in depolarization-contraction coupling (PubMed:<a href="http://www.uniprot.org/citations/12183633" target="\_blank">12183633</a>). Is a negative regulator of endocytosis (By similarity). Is also involved in the regulation of intracellular vesicles sorting, modulation of BACE1 trafficking and the control of amyloid-beta production (PubMed:<a href="http://www.uniprot.org/citations/12668730" target="\_blank">12668730</a>, PubMed:<a href="http://www.uniprot.org/citations/27179792" target="\_blank">27179792</a>). In neuronal circuits, endocytosis regulation may influence the internalization of PHF-tau aggregates (By similarity). May be involved in the regulation of MYC activity and the control cell proliferation (By similarity).

**Cellular Location**

Nucleus {ECO:0000250|UniProtKB:O00499}. Cytoplasm. Endosome Cell membrane, sarcolemma, T-tubule {ECO:0000250|UniProtKB:O08839}

**Tissue Location**

Isoform 1 is expressed mainly in the brain. Isoform 2 is widely expressed.

**Bin1 Blocking Peptide - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Bin1 Blocking Peptide - Images**