

**BIN1 Antibody**  
Rabbit mAb  
Catalog # AP93096

## Specification

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### BIN1 Antibody - Product Information

Application	<b>WB, IHC, ICC</b>
Primary Accession	<a href="#">O00499</a>
Reactivity	<b>Rat</b>
Clonality	<b>Monoclonal</b>
<b>Other Names</b>	
AMPH2; Amphiphysin 2; Amphiphysin II; Amphiphysin like protein; AMPHL; Bin1; Box Dependant MYC Interacting Protein 1; Bridging integrator 1; Myc box dependent interacting protein 1; SH3P9;	
Isotype	<b>Rabbit IgG</b>
Host	<b>Rabbit</b>
Calculated MW	<b>64699 Da</b>

### BIN1 Antibody - Additional Information

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human BIN1</b>
Description	<b>May be involved in regulation of synaptic vesicle endocytosis. May act as a tumor suppressor and inhibits malignant cell transformation.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

### BIN1 Antibody - Protein Information

**Name** BIN1

**Synonyms** AMPHL

#### Function

Is a key player in the control of plasma membrane curvature, membrane shaping and membrane remodeling. 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/24755653" target="\_blank">24755653</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/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

(PubMed:<a href="http://www.uniprot.org/citations/8782822" target="\_blank">8782822</a>).  
Has actin bundling activity and stabilizes actin filaments against depolymerization in vitro  
(PubMed:<a href="http://www.uniprot.org/citations/28893863" target="\_blank">28893863</a>).

#### Cellular Location

[Isoform BIN1]: Nucleus. Cytoplasm Endosome {ECO:0000250|UniProtKB:O08539}. Cell membrane, sarcolemma, T- tubule {ECO:0000250|UniProtKB:O08839}

#### Tissue Location

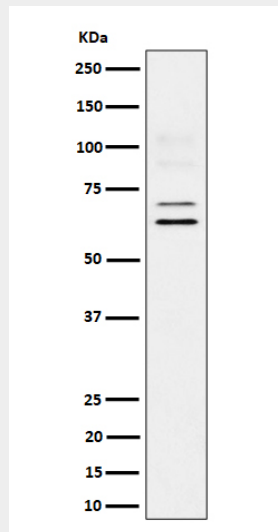
Ubiquitous. Highest expression in the brain and muscle (PubMed:9182667). Expressed in oligodendrocytes (PubMed:27488240). Isoform IIA is expressed only in the brain, where it is detected in the gray matter, but not in the white matter (PubMed:27488240). Isoform BIN1 is widely expressed with highest expression in skeletal muscle.

### BIN1 Antibody - 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 Antibody - Images



Western blot analysis of BIN1 expression in U87-MG cell lysate.