

Bin1 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10508**Specification**

Bin1 Antibody - Product Information

Application	WB
Primary Accession	O08539
Other Accession	BC065160
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	64470

Bin1 Antibody - Additional Information**Gene ID** 30948

Application & Usage	Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. Other applications have not been tested. The antibody recognizes ~65 kDa band in samples from human, mouse and rat origins. A cleavage fragment (~45 kDa) can also be detected in apoptotic samples. Reactivity to other species has not been tested.
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Other Names

BIN1 , AMPH2 , amphiphysin-like , MGC10367 , DKFZp547F068 , AMPHL , SH3P9

Target/Specificity

Bin1

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.2mg/ml) immunoaffinity purified rabbit anti-Bin-1 polyclonal antibody in phosphate-buffered saline (PBS) containing 0.1% BSA, 30% glycerol, and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

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

Bin1 Antibody - Protein Information

Name Bin1

Synonyms Amphl, 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:12183633). 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:12668730, PubMed:27179792). 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 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

Bin1 Antibody - Background

BIN-1 is a tumor suppressor protein that was identified in a genetic screen for proteins that interact with the MYC oncoprotein. BIN-1 inhibits the oncogenic activity of MYC, possibly through activating or facilitating apoptosis. BIN is a short-lived protein with a half-life of about 2 hours.