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Bin1 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI13796

Specification

Bin1 antibody - middle region - Product Information

Application	**WB**
Primary Accession	O08539
Other Accession	NM_009668, NP_033798
Reactivity	**Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Chicken, Horse, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**65kDa KDa**

Bin1 antibody - middle region - Additional Information

Gene ID 30948

Alias Symbol	**ALP-1, Amphl, BRAMP-2, SH3P9**

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

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-Bin1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
Bin1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Bin1 antibody - middle region - 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}

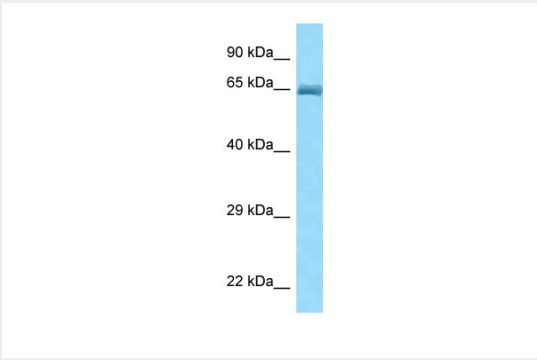
Tissue Location
Isoform 1 is expressed mainly in the brain. Isoform 2 is widely expressed.

Bin1 antibody - middle region - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Bin1 antibody - middle region - Images



WB Suggested Anti-Bin1 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Pancreas

Bin1 antibody - middle region - References

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Sparks A.B.,et al.Nat. Biotechnol. 14:741-744(1996).
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