10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Bin1 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI13796

Product Information

Application	WB
Primary Accession	O08539
Other Accession	NM_009668, NP_033798
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Chicken, Dog, Guinea Pig, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64470

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.

Protein Information

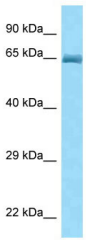
Name	Bin1
Synonyms	Amphl, Sh3p9
Function	Is a key player in the control of plasma membrane curvature, and membrane shaping and remodeling. Required in muscle cells for the formation of T-tubules, tubular invaginations of the plasma membrane that function in depolarization-contraction coupling. Required 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.

References

Leprince C.,et al.J. Biol. Chem. 272:15101-15105(1997).
Sparks A.B.,et al.Nat. Biotechnol. 14:741-744(1996).
Modregger J.,et al.J. Biol. Chem. 278:4160-4167(2003).
Ballif B.A.,et al.Mol. Cell. Proteomics 3:1093-1101(2004).
Trinidad J.C.,et al.Mol. Cell. Proteomics 5:914-922(2006).

Images



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