

Product Name: BIN1 (14G10) Rabbit Monoclonal Antibody
Catalog #: AMRe07564

Summary

Production Name	BIN1 (14G10) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	BIN1
Alternative Names	AMPH2; Amphiphysin 2; Amphiphysin II; AMPHL; Bin1; Bridging integrator 1; SH3P9;
Gene ID	274.0
SwissProt ID	O00499.

Application

Dilution Ratio	WB 1:500-1:2000
Molecular Weight	65kDa

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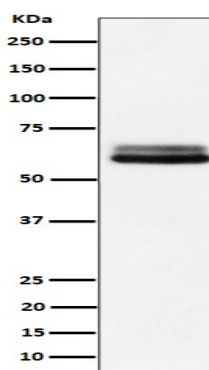


Background

May be involved in regulation of synaptic vesicle endocytosis. May act as a tumor suppressor and inhibits malignant cell transformation. 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: [24755653](http://www.uniprot.org/citations/24755653)). 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: [27179792](http://www.uniprot.org/citations/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 (PubMed: [8782822](http://www.uniprot.org/citations/8782822)). Has actin bundling activity and stabilizes actin filaments against depolymerization in vitro (PubMed: [28893863](http://www.uniprot.org/citations/28893863)).

Research Area

Image Data



Western blot analysis of BIN1 expression in A431 cell lysate.

Note

For research use only.