

# BIN1 Rabbit mAb

Catalog # AP75157

## Product Information

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<b>Application</b>	WB, IHC-P, IHC-F, ICC
<b>Primary Accession</b>	<a href="#">O00499</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Calculated MW</b>	64699

## Additional Information

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<b>Gene ID</b>	274
<b>Other Names</b>	BIN1
<b>Dilution</b>	WB~~1/500-1/1000 IHC-P~~N/A IHC-F~~N/A ICC~~N/A
<b>Format</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

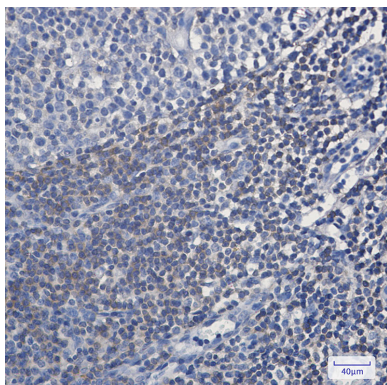
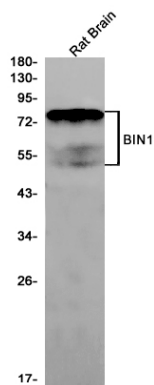
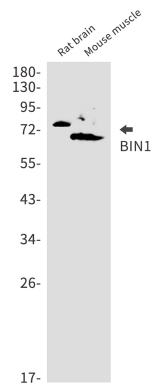
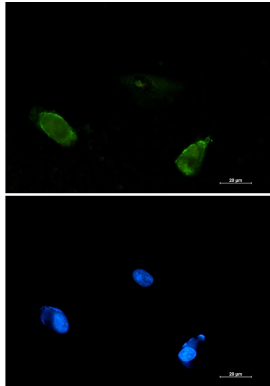
## Protein Information

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<b>Name</b>	BIN1
<b>Synonyms</b>	AMPHL
<b>Function</b>	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="#">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="#">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="#">8782822</a> ). Has actin bundling activity and stabilizes actin filaments against depolymerization in vitro (PubMed: <a href="#">28893863</a> ).
<b>Cellular Location</b>	[Isoform BIN1]: Nucleus. Cytoplasm Endosome {ECO:0000250 UniProtKB:O08539}. Cell membrane, sarcolemma, T- tubule {ECO:0000250 UniProtKB:O08839}
<b>Tissue Location</b>	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.

## Images



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