

Summary

Production Name	BIN1 Rabbit Monoclonal Antibody
Description	Recombinant Rabbit Monoclonal antibody
Host	Rabbit
Application	WB,IHC-F,IHC-P,ICC/IF
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Purification	Affinity Purified

Immunogen

Gene Name	BIN1 BIN1; AMPHL; Myc box-dependent-interacting protein 1; Amphiphysin II;
Alternative Names	Amphiphysin-like protein; Box-dependent myc-interacting protein 1; Bridging integrator 1
Gene ID	274
SwissProt ID	O00499

Application

Dilution Ratio	WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200
Molecular Weight	Calculated MW: 65 kDa; Observed MW: 45-80 kDa

Product Name: BIN1 Rabbit Monoclonal Antibody
Catalog #: AMRe01727



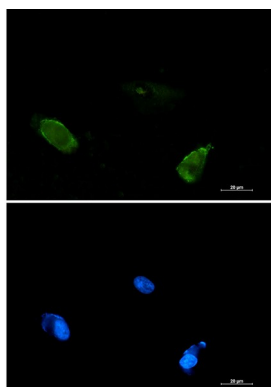
Background

This gene encodes several isoforms of a nucleocytoplasmic adaptor protein, one of which was initially identified as a MYC-interacting protein with features of a tumor suppressor. Isoforms that are expressed in the central nervous system may be involved in synaptic vesicle endocytosis and may interact with dynamin, synaptojanin, endophilin, and clathrin. Isoforms that are expressed in muscle and ubiquitously expressed isoforms localize to the cytoplasm and nucleus and activate a caspase-independent apoptotic process. Studies in mouse suggest that this gene plays an important role in cardiac muscle development. Alternate splicing of the gene results in ten transcript variants encoding different isoforms. Aberrant splice variants expressed in tumor cell lines have also been described.

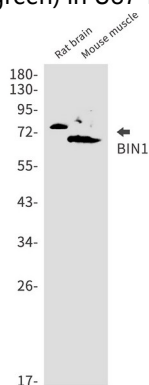
Research Area

Cell Biology

Image Data

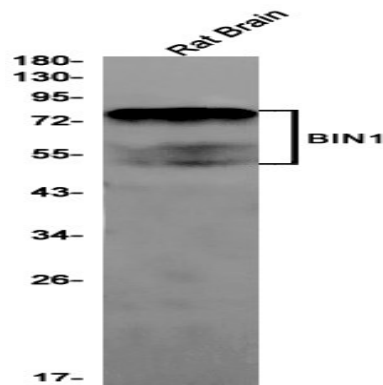


Immunocytochemistry analysis of BIN1 (green) in U87-MG using BIN1 antibody, and DAPI (blue).

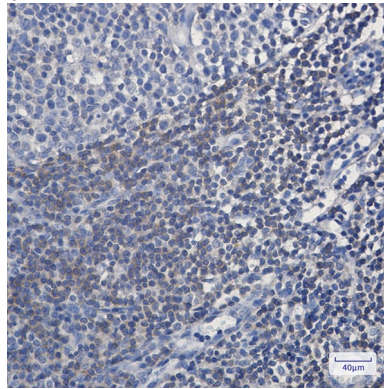


Western blot analysis of BIN1 in rat brain, mouse muscle lysates using BIN1 antibody.

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Western blot analysis of BIN1 in rat Brain lysates using BIN1 antibody



Immunohistochemistry analysis of paraffin-embedded Human tonsil using BIN1 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Note

For research use only.