Product Name: BIN1 Rabbit Monoclonal Antibody
Catalog #: AMRe01727
For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,ICC/IF
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.39mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purification

Application

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

Antigen Information

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

Background

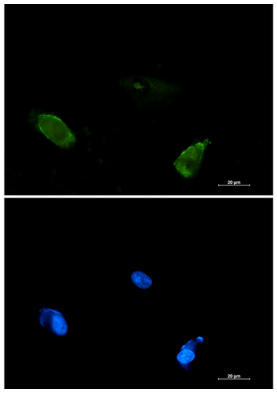
This gene encodes several isoforms of a nucleocytoplasmic adaptor protein, one of which was initially identified as a MYC-

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.

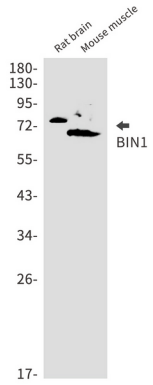
Research Area

Cell Biology

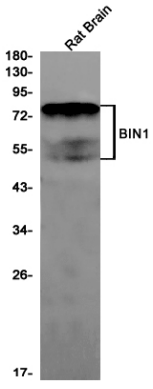
Image Data



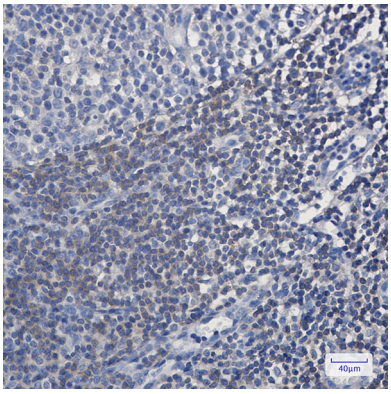
Immunocytochemistry analysis of BIN1 (green) in U87-MG using BIN1 antibody,and DAPI(blue).



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



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.