

BIN1 Rabbit mAb

Catalog No.: A24068 **Recombinant**

Basic Information

Observed MW

45-80kDa

Calculated MW

65kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC65289

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 several transcript variants encoding different isoforms. Aberrant splice variants expressed in tumor cell lines have also been described.

Recommended Dilutions

WB	1:2000 - 1:4000
IHC-P	1:500 - 1:1000
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

274

Swiss Prot

O00499

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 511-593 of human BIN1 (NP_647593.1).

Synonyms

CNM2; AMPH2; AMPHL; SH3P9; BIN1

Contact

	400-999-6126
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	www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

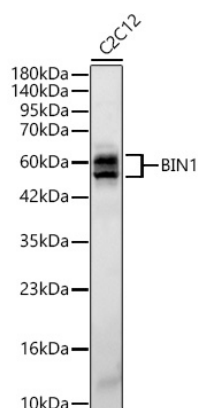
Affinity purification

Storage

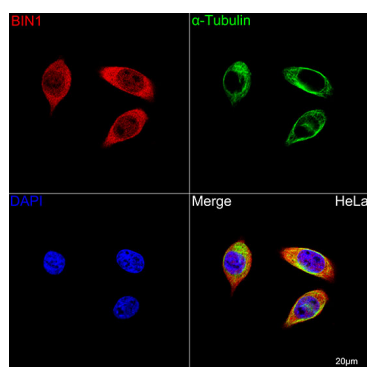
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

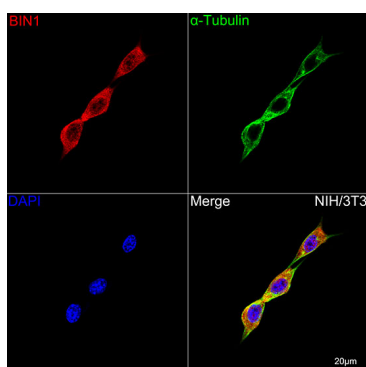
Validation Data



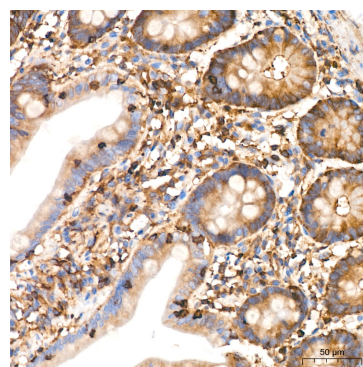
Western blot analysis of lysates from C2C12 cells using BIN1 Rabbit mAb(A24068) at 1:3000 dilution.
Secondary antibody:HRP Goat Anti-Rabbit IgG (H+L)(AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection:ECL Basic Kit (RM00020).
Exposure time:20s.



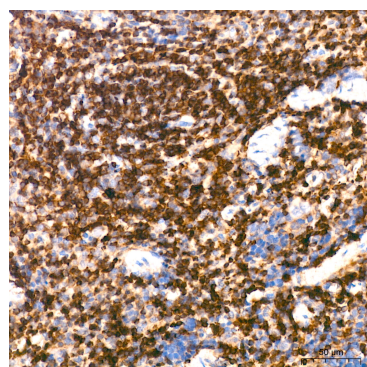
Confocal imaging of HeLa cells using BIN1 Rabbit mAb (A24068, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of NIH/3T3 cells using BIN1 Rabbit mAb (A24068, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



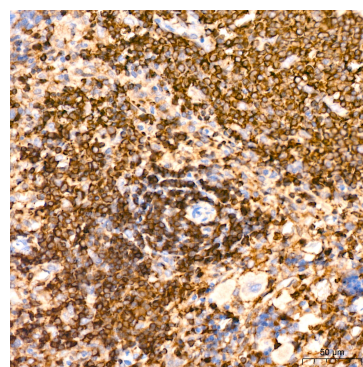
Immunohistochemistry analysis of BIN1 in paraffin-embedded human colon tissue using BIN1 Rabbit mAb (A24068) at a dilution of 1:1000 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of BIN1 in paraffin-embedded mouse spleen tissue using BIN1 Rabbit mAb (A24068) at a dilution of 1:1000 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of BIN1 in paraffin-embedded rat brain tissue using BIN1 Rabbit mAb (A24068) at a dilution of 1:1000 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of BIN1 in paraffin-embedded rat spleen tissue using BIN1 Rabbit mAb (A24068) at a dilution of 1:1000 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.