

## BIN1 monoclonal antibody

Catalog: MB22189

Host: Mouse

Reactivity: Human, Mouse

### 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.

### Product:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

64.7kDa

### Swiss-Prot:

O00499

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB:1/500 - 1/2000    FC:1/200 - 1/400

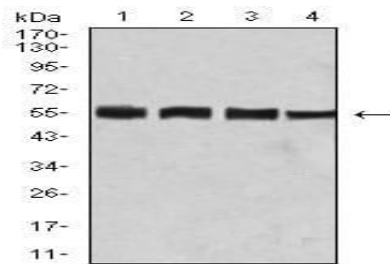
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

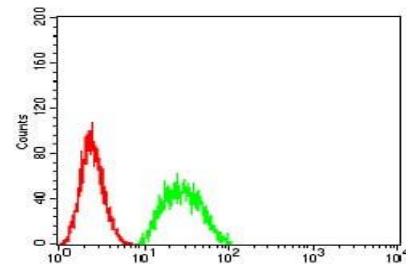
### Isotype:

Mouse IgG2b

### DATA:



Western blot analysis using BIN1 mouse mAb against HeLa (1), C2C12 (2), A431 (3), and HEK293 (4) cell lysate.



Flow cytometric analysis of HeLa cells using BIN1 mouse mAb (green) and negative control (red).

### Note:

For research use only, not for use in diagnostic procedure.

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