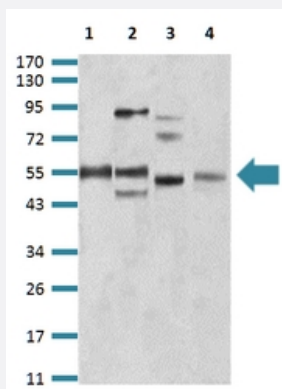


# BIN1 monoclonal antibody, clone 3B6F10

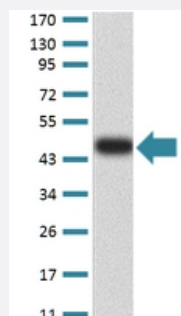
Catalog # MAB17313      Size 100 ug

## Applications



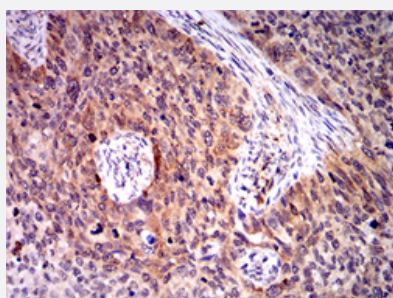
### Western Blot

Western Blot analysis of (1) C2C12, (2) A431, (3) HEK293, and (4) MCF-7 cell lysate.



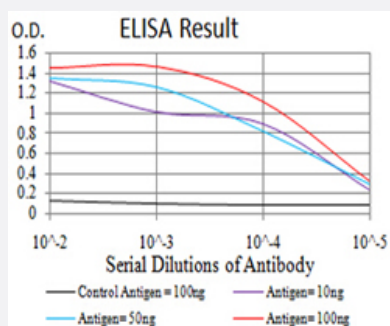
### Western Blot

Western Blot analysis of human BIN1 recombinant protein.



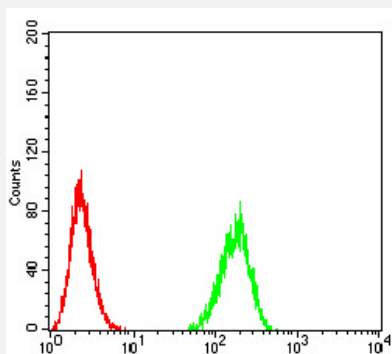
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of cervical cancer tissues with DAB staining.



### Enzyme-linked Immunoabsorbent Assay

ELISA analysis of BIN1 monoclonal antibody.



## Flow Cytometry

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

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against recombinant human BIN1.
<b>Immunogen</b>	Recombinant protein corresponding to amino acids 189-398 of human BIN1 from <i>E. coli</i> .
<b>Host</b>	Mouse
<b>Theoretical MW (kDa)</b>	64.7
<b>Reactivity</b>	Human, Mouse
<b>Form</b>	Liquid
<b>Isotype</b>	IgG2b
<b>Recommend Usage</b>	ELISA (1:10000) Flow Cytometry (1:200-400) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1000) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.05% sodium azide).
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

### • Western Blot

Western Blot analysis of (1) C2C12, (2) A431, (3) HEK293, and (4) MCF-7 cell lysate.

- Western Blot

Western Blot analysis of human BIN1 recombinant protein.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Flow Cytometry

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## Gene Info — BIN1

Entrez GeneID

[274](#)

Gene Name

BIN1

Gene Alias

AMPH2, AMPHL, DKFZp547F068, MGC10367, SH3P9

Gene Description

bridging integrator 1

Omim ID

[255200 601248](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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, synaptotagmin, 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. [provided by RefSeq]

Other Designations

OTTHUMP00000162179|OTTHUMP00000162183|amphiphysin II|amphiphysin-like|box dependent MYC interacting protein 1

## Disease

- [Alzheimer Disease](#)

- [Cerebral Hemorrhage](#)

- [Cognition Disorders](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Neuropsychological Tests](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)