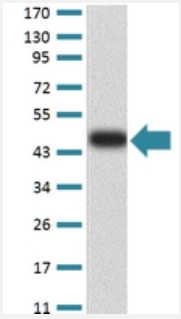
BIN1 monoclonal antibody, clone 3B6F10

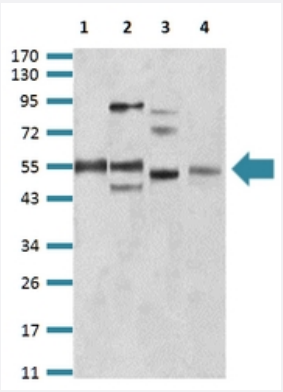
Catalog # MAB17313 Size 100 ug

Applications



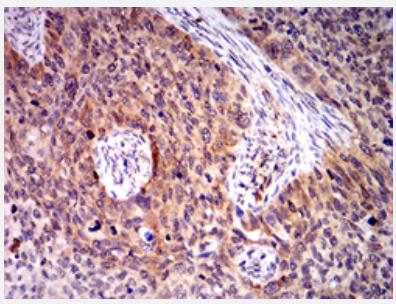
Western Blot

Western Blot analysis of human BIN1 recombinant protein.



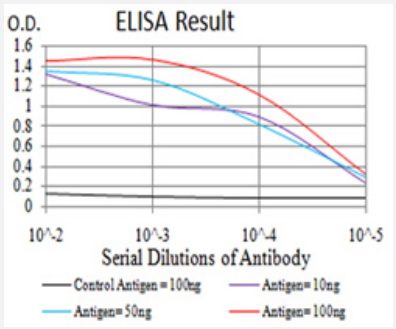
Western Blot

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



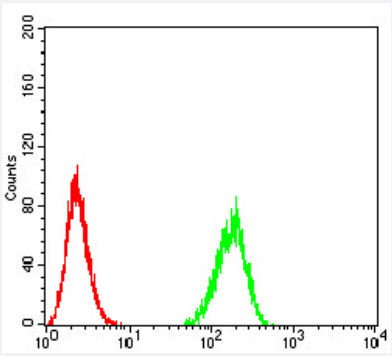
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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

Product Description	Mouse monoclonal antibody raised against recombinant human BIN1.
Immunogen	Recombinant protein corresponding to amino acids 189-398 of of human BIN1 from *E. coli*.
Host	Mouse
Theoretical MW (kDa)	64.7
Reactivity	Human, Mouse
Form	Liquid
Isotype	IgG2b
Recommend Usage	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.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot

  Western Blot analysis of human BIN1 recombinant protein.

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- Enzyme-linked Immunoabsorbent Assay

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- Flow Cytometry

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

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 ini tially 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 dynanim, synaptojanin, endophilin, and clathrin. Isoforms that are expressed in muscl e and ubiquitously expressed isoforms localize to the cytoplasm and nucleus and activate a casp ase-independent apoptotic process. Studies in mouse suggest that this gene plays an important r ole 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 dependa nt MYC interacting protein 1

Disease

- Alzheimer Disease
- Cerebral Hemorrhage

- Cognition Disorders
- Genetic Predisposition to Disease
- Hypertension
- Intracranial Hemorrhages
- Neuropsychological Tests
- Stroke
- Subarachnoid Hemorrhage