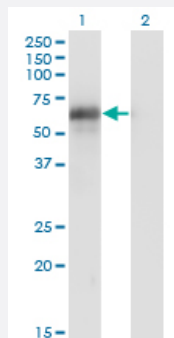


# BIN1 monoclonal antibody (M03), clone 2C7

Catalog # H00000274-M03

Size 100 ug

## Applications

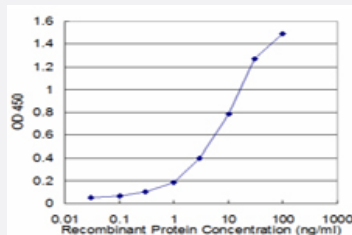


### Western Blot (Transfected lysate)

Western Blot analysis of BIN1 expression in transfected 293T cell line by BIN1 monoclonal antibody (M03), clone 2C7.

Lane 1: BIN1 transfected lysate (53 KDa).

Lane 2: Non-transfected lysate.



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged BIN1 is approximately 0.3 ng/ml as a capture antibody.

## Specification

|                            |                                                                                                                   |
|----------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Mouse monoclonal antibody raised against a partial recombinant BIN1.                                              |
| <b>Immunogen</b>           | BIN1 (NP_004296, 355 a.a. ~ 454 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| <b>Sequence</b>            | VVETFPATVNGTVEGGSGAGRLDLPFGFMFKVQAQHDYTATDTDELQLKAGDVVLVIPFQNPEEQDEGWLMGVKESDWNQHKLEKCRGVFPENFTERVP               |
| <b>Host</b>                | Mouse                                                                                                             |
| <b>Reactivity</b>          | Human                                                                                                             |

|                               |                                                                          |
|-------------------------------|--------------------------------------------------------------------------|
| Interspecies Antigen Sequence | Mouse (95); Rat (94)                                                     |
| Isotype                       | IgG1 Kappa                                                               |
| Quality Control Testing       | Antibody Reactive Against Recombinant Protein.                           |
| Storage Buffer                | In 1x PBS, pH 7.4                                                        |
| Storage Instruction           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

## Applications

- Western Blot (Transfected lysate)

Western Blot analysis of BIN1 expression in transfected 293T cell line by BIN1 monoclonal antibody (M03), clone 2C7.

Lane 1: BIN1 transfected lysate(53 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged BIN1 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — BIN1

|                     |                                             |
|---------------------|---------------------------------------------|
| Entrez GeneID       | <a href="#">274</a>                         |
| GeneBank Accession# | <a href="#">NM_004305</a>                   |
| Protein Accession#  | <a href="#">NP_004296</a>                   |
| Gene Name           | BIN1                                        |
| Gene Alias          | AMPH2, AMPHL, DKFZp547F068, MGC10367, SH3P9 |
| Gene Description    | bridging integrator 1                       |
| Omim ID             | <a href="#">255200 601248</a>               |
| Gene Ontology       | <a href="#">Hyperlink</a>                   |

**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, 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. [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](#)