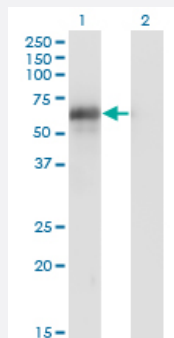


BIN1 monoclonal antibody (M03), clone 2C7

Catalog # H00000274-M03

Size 100 ug

Applications

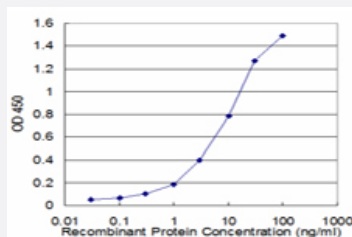


Western Blot (Transfected lysate)

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

Product Description	Mouse monoclonal antibody raised against a partial recombinant BIN1.
Immunogen	BIN1 (NP_004296, 355 a.a. ~ 454 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	VVETFPATVNGTVEGGSGAGRLDLPFGFMFKVQAQHDYTATDTDELQLKAGDVVLVIPFQNPEEQDEGWLMGVKESDWNQHKLEKCRGVFPENFTERVP
Host	Mouse
Reactivity	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	274
GeneBank Accession#	NM_004305
Protein Accession#	NP_004296
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, 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](#)
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