

Datasheet

BIN1 monoclonal antibody (M01), clone 1H1

Catalog Number: H00000274-M01

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant BIN1.

Clone Name: 1H1

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:

VVETFPATVNGTVEGGSGAGRLDLPPGFMFKVQAQH
DYTATDDELQLKAGDVVLVIPFQNPEEQDEGWLMGV
KESDWNQHKLEKCRGVFPENFTERVP

Host: Mouse

Reactivity: Human

Applications: ELISA, WB-Ce, WB-Re, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG1 Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 274

Gene Symbol: BIN1

Gene Alias: AMPH2, AMPHL, DKFZp547F068, MGC10367, SH3P9

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]