RecomAb™

BIN1 recombinant monoclonal antibody, clone R04-8D7

Catalog # RAB06016 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human BIN1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human BIN1.
Theoretical MW (kDa)	Calculated MW: 65 kD
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	Immunofluorescence (1/50-1/200) Immunohistochemistry (1/50-1/100) Immunoprecipitation (1/20) Western Blot (1/500-1/1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA).
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

- Immunohistochemistry

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- Immunofluorescence
- Immunoprecipitation
- Western Blot

Gene Info — BIN1

Entrez GeneID	274
Protein Accession#	O00499
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

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- Hypertension
- Intracranial Hemorrhages
- Neuropsychological Tests
- Stroke
- Subarachnoid Hemorrhage

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