



Amphiphysin II Monoclonal Antibody

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Monoclonal, Mouse, IgG Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms BIN1; AMPHL; Myc box-dependent-interacting protein 1; Amphiphysin II; Amphiphysin-like protein; Box-dependent myc-interacting protein 1; Bridging integrator 1 Observed Band 64kD Cell Pathway [Isoform BIN1]: Nucleus . Cytoplasm . Endosome . Cell membrane, sarcolemma, T-tubule .; [Isoform IIA]: Cytoplasm . Tissue Specificity Ubiquitous. Highest expression in the brain and muscle (PubMed:9182667). Expressed in oilgodendrocytes (PubMed:27488240). Isoform IIA is expressed only in the brain, where it is detected in the gray matter, but not in the white matter		
Reactivity Mouse;Rat Applications WB Gene Name BIN1 Protein Name Myc box-dependent-interacting protein 1 Immunogen Synthesized peptide derived from the C-terminal region of human Amphiphysin II. Specificity Amphiphysin II Monoclonal Antibody detects endogenous levels of Amphiphysin II. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Monoclonal, Mouse, IgG Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms BIN1; AMPHL; Myc box-dependent-interacting protein 1; Amphiphysin II; Amphiphysin-ilike protein; Box-dependent myc-interacting protein 1; Bridging integrator 1 Observed Band G4kD Cell Pathway [Isoform BIN1]; Nucleus . Cytoplasm . Endosome . Cell membrane, sarcolemma, 1-tubule .; [Isoform IIA]: Cytoplasm . Tissue Specificity Diquitous. Highest expression in the brain and muscle (PubMed:9182667). Expressed in oligodendrocytes (PubMed:2488240), Isoform IIA is expressed only in the brain where it is detected in the gray matter, but not in the white matter (PubMed:27488240). Isoform BIN1 is widely expressed with highest expression is skeletal muscle. Function alternative products: Additional isoforms seem to exist disease: Defects in BIN1 are the cause of centronuclear myopathy autosomal recessive (ARCNM) [MIM:255200]; also known as autosomal recessive involubular myopathy. Centronuclear myopathy. Centronuclear or postalis are concential muscle disorders characterized by	Catalog No	BYmab-00766
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during childhood or adolescence or may not become evident until the third decade
of life. Ptosis is a frequent clinical feature. The most prominent histopathologic
features include high frequency of centrally located nuclei in muscle fibers not
secondary to regeneration, radial arrangement of sarcoplasmic strands around
the central nuclei, and predominance and hypotrophy of type 1
fibers. function: May be involved in regulation of synaptic vesicle end
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Background

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 several transcript variants encoding different isoforms. Aberrant splice variants expressed in tumor cell lines have also been described. [provided by RefSeq, Mar 2016],

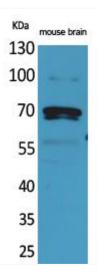
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Amphiphysin II Monoclonal Antibody

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