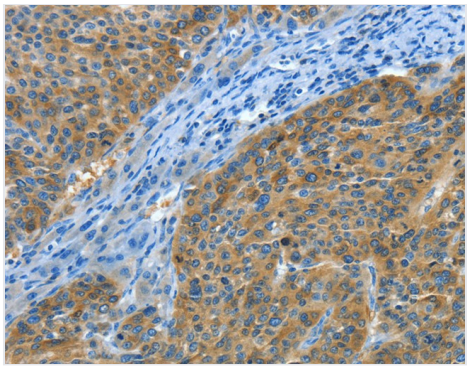
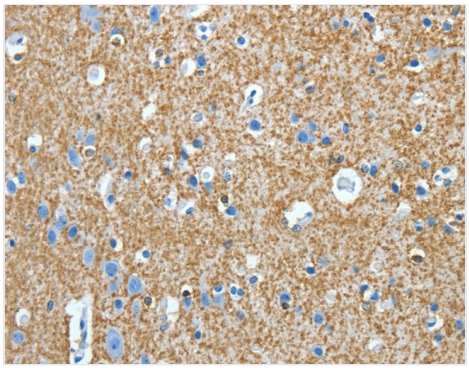
BIN1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BIN1, Polyclonal Antibody
Full Product Name	BIN1 Polyclonal Antibody
Product Gene Name	anti-BIN1 antibody
Product Synonym Names	AMPH2; AMPHL; SH3P9
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Antigen affinity purification
Concentration	1.1mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.
Molecular Weight	54,948 Da
OMIM	255200
Immunogen	Recombinant protein of human BIN1
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Product Categories/Family for anti-BIN1 antibody	Cancer; Cell biology; Epigenetics; Neuroscience
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-BIN1 antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-BIN1 antibody	IHC: 1:50-1:200
Related Product Information for anti-BIN1 antibody	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.
Other Notes	Small volumes of anti-BIN1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for BIN1 purchase	MBS2526519 is an antibody targeting BIN1. Also known as BIN1 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Immunohistochemistry (IHC) of anti-BIN1 antibody
Immunohistochemistry of paraffin-embedded Human liver cancer tissue using BIN1 Polyclonal Antibody at dilution 1:30



Immunohistochemistry (IHC) of anti-BIN1 antibody
Immunohistochemistry of paraffin-embedded Human brain tissue using BIN1 Polyclonal Antibody at dilution 1:30

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BIN1. It may not necessarily be applicable to this product.

NCBI GI #	3249636
NCBI Accession #	AAC24128.1
UniProt Secondary Accession #	O00297; O00545; O43867; O60552; O60553; O60554; O60555; O75514; O75515; O75516; O75517
NCBI Official Full Name	bridging-integrator protein-1 isoform BIN1-13
UniProt Protein Name	Myc box-dependent-interacting protein 1
UniProt Synonym Protein Names	Amphiphysin II; Amphiphysin-like protein; Box-dependent myc-interacting protein 1; Bridging integrator 1
Protein Family	Myc box-dependent-interacting protein
UniProt Gene Name	BIN1
UniProt Synonym Gene Names	AMPHL
UniProt Entry Name	BIN1_HUMAN
UniProt Comments for BIN1	BIN1: May be involved in regulation of synaptic vesicle endocytosis. May act as a tumor suppressor and inhibits malignant cell transformation. Defects in BIN1 are the cause of centronuclear myopathy type 2 (CNM2). A congenital muscle disorder characterized by progressive muscular weakness and wasting involving mainly limb girdle, trunk, and neck muscles. It may also affect distal muscles. Weakness may be present 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. 11 isoforms of the human protein are produced by alternative splicing. Protein type: Vesicle; Cytoskeletal; Adaptor/scaffold; Tumor suppressor Chromosomal Location of Human Ortholog: 2q14 Cellular Component: I band; synaptic vesicle; membrane; axon; T-tubule; cytoplasm; nerve terminal; Z disc; nucleus; actin cytoskeleton Molecular Function: identical protein binding; protein binding; GTPase binding; protein heterodimerization activity; protein complex binding; tau protein binding Biological Process: cell proliferation; muscle cell differentiation; viral reproduction; positive regulation of apoptosis; regulation of neuron differentiation; endocytosis; positive regulation of endocytosis; positive regulation of GTPase activity; positive regulation of astrocyte differentiation Disease: Myopathy, Centronuclear, 2

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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