

Rabbit BIN1 Polyclonal Antibody | anti-BIN1 antibody

BIN1 Antibody (Center)

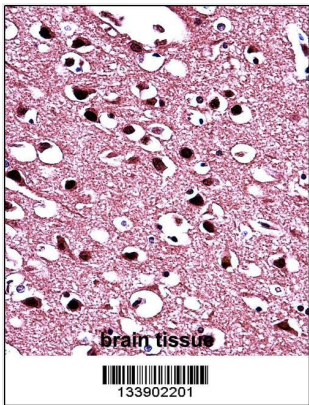
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288874	Rabbit	Human, mouse (Predicted Reactivity: Rat)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

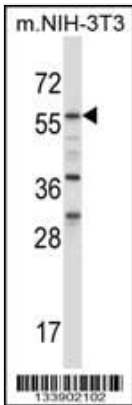
BIN1; Polyclonal Antibody; BIN1 Antibody (Center); Myc box-dependent-interacting protein 1; Amphiphysin II; Amphiphysin-like protein; Box-dependent myc-interacting protein 1; Bridging integrator 1; AMPHL; anti-BIN1 antibody

PRODUCT SPECIFICATIONS

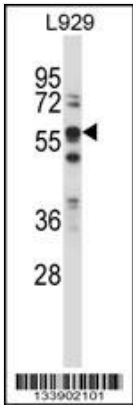
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This BIN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 360-389 amino acids from the Central region of human BIN1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.45 (varies by lot)
Sequence Positions	360-389
Sequence Length	497
Applicable Applications for anti-BIN1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemisry)
BIN1 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of BIN1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
BIN1 Antibody (Center) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane).This demonstrates the BIN1 antibody detected the BIN1 protein (arrow).



WB (Western Blot)
BIN1 Antibody (Center) western blot analysis in L929 cell line lysates (35ug/lane).This demonstrates the BIN1 antibody detected the BIN1 protein (arrow).

ADDITIONAL INFORMATION

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.
Product Categories/Family for anti-BIN1 antibody	Cancer; Cell Biology; Microbiology
References	Biffi, A., et al. Arch. Neurol. 67(6):677-685(2010) Seshadri, S., et al. JAMA 303(18):1832-1840(2010) Yoshida, T., et al. Int. J. Mol. Med. 25(4):649-656(2010) Claeys, K.G., et al. Neurology 74(6):519-521(2010) Hong, T.T., et al. PLoS Biol. 8 (2), E1000312 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757748
NCBI GeneID	274

NCBI Accession #	NP_004296.1; NP_647593.1; NP_647594.1; NP_647595.1; NP_647596.1; NP_647597.1; NP_647598.1; NP_647599.1; NP_647600.1; NP_647601.1
NCBI GenBank Nucleotide #	NM_004305.3
UniProt Accession #	O00499; O00297; O00545; O43867; O60552; O60553; O60554; O60555; O75514; O75515; O75516; O75517
Molecular Weight	64699
NCBI Official Full Name	myc box-dependent-interacting protein 1 isoform 8
NCBI Official Synonym Full Names	bridging integrator 1
NCBI Official Symbol	BIN1
NCBI Official Synonym Symbols	AMPH2; AMPHL; SH3P9
NCBI Protein Information	myc box-dependent-interacting protein 1
UniProt Protein Name	Myc box-dependent-interacting protein 1
UniProt Gene Name	BIN1
UniProt Synonym Gene Names	AMPHL
UniProt Entry Name	BIN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/bin1-antibody-immunohistochemistry-western-blot-elisa/288874>