

Rabbit BIN1 Polyclonal Antibody | anti-BIN1 antibody

BIN1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329073	Rabbit	Human, Mouse, Rat Predicted Reactivity: Horse(88%), Rabbit(88%), Dog(100%)	ELISA

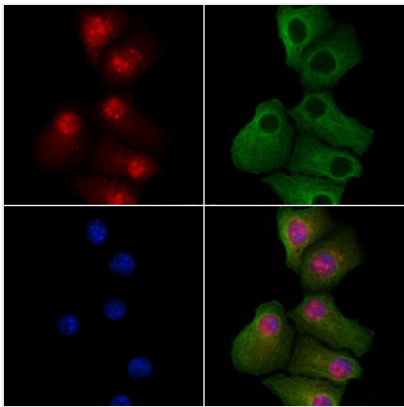
PRODUCT SYNONYMS

BIN1; Polyclonal Antibody; BIN1 Antibody; AMPH 2; AMPH2; Amphiphysin 2; Amphiphysin II; Amphiphysin like protein; amphiphysin-like; Amphiphysin-like protein; AMPHL; Bin1; BIN1_HUMAN; Box Dependant MYC Interacting Protein 1; Box-dependent myc-interacting protein 1; Bridging integrator 1; DKFZp547F068; MGC10367; MGC105358; Myc box dependent interacting protein 1; Myc box-dependent-interacting protein 1; SH3P9; anti-BIN1 antibody

PRODUCT SPECIFICATIONS

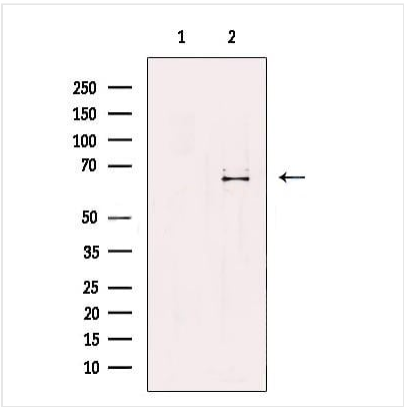
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Horse(88%), Rabbit(88%), Dog(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	BIN1 Antibody detects endogenous levels of total BIN1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	593
Applicable Applications for anti-BIN1 antibody	ELISA
Immunogen	A synthesized peptide derived from human BIN1, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA329073 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA329073) and mouse anti-beta tubulin Ab(T0023) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI (blue).



WB (Western Blot)

Western blot analysis of extracts from Mouse kidney, using BIN1 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-BIN1 antibody	Function: Is a key player in the control of plasma membrane curvature, membrane shaping and membrane remodeling. Required in muscle cells for the formation of T-tubules, tubular invaginations of the plasma membrane that function in depolarization-contraction coupling (PubMed:24755653). Is a negative regulator of endocytosis (By similarity). Is also involved in the regulation of intracellular vesicles sorting, modulation of BACE1 trafficking and the control of amyloid-beta production (PubMed:27179792). In neuronal circuits, endocytosis regulation may influence the internalization of PHF-tau aggregates (By similarity). May be involved in the regulation of MYC activity and the control cell proliferation (PubMed:8782822). Has actin bundling activity and stabilizes actin filaments against depolymerization in vitro (PubMed:28893863).
	Post Translational Modifications: Phosphorylated by protein kinase C.
	Subcellular Location: Nucleus. Cytoplasm. Endosome. Cell membrane>Sarcolemma>T-tubule. Cytoplasm.
	Tissue Specificity: Ubiquitous. Highest expression in the brain and muscle (PubMed:9182667). Expressed in oligodendrocytes (PubMed:27488240). 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 in skeletal muscle.
	Subunit Structure: Heterodimer with AMPH (By similarity). Binds SH3GLB1 (By similarity). Interacts (via SH3 domain) with DNMT1. Interacts with SYNJ1 (By similarity). Interacts (via SH3 domain) with DNMT2 (PubMed:17676042). Isoform IIA interacts with CLTC. Isoform IIB does not interact with CLTC. Isoform IIC1 does not interact with CLTC. Isoform IIC2 does not interact with CLTC (PubMed:9603201). Interacts with AP2A2. Interacts with AP2B1 (By similarity). Interacts with MYC (via N-terminal transactivation domain); the interaction requires the integrity of the conserved MYC box regions 1 and 2 (By similarity). Interacts with BIN2 (PubMed:10903846). Interacts with SNX4 (PubMed:12668730). Interacts (via BAR domain) with BACE1 (PubMed:27179792). Binds (via BAR domain) F-actin (PubMed:28893863). (Microbial infection) Interacts (SH3 domain) with HCV NS5A.

NCBI AND UNIPROT INFORMATION

NCBI GI #	14916535
NCBI GeneID	274
UniProt Accession #	O00499
Molecular Weight	Observed Molecular Weight: (Observed)64kD. Predicted Molecular Weight: (Calculated)65kDa.

NCBI Official Full Name	Myc box-dependent-interacting protein 1
NCBI Official Synonym Full Names	bridging integrator 1
NCBI Official Symbol	BIN1
NCBI Official Synonym Symbols	CNM2; 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-elisa/329073>