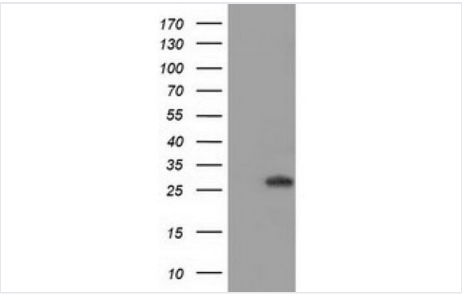
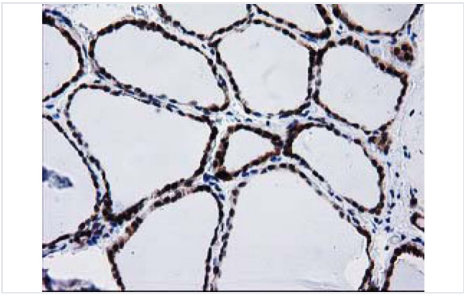
BIN3 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

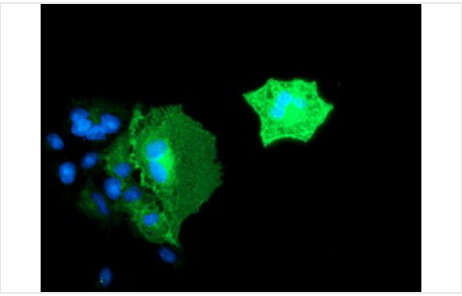
Product Name	BIN3, Monoclonal Antibody
Full Product Name	BIN3 antibody
Product Gene Name	anti-BIN3 antibody
Product Synonym Names	Monoclonal BIN3; Anti-BIN3; Bridging integrator 3; MGC14978; BIN3; BIN 3; BIN-3
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	8 E9
Host	Mouse
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Purity/Purification	BIN3 antibody was purified by affinity chromatography.
Concentration	500 ug-1 mg/ml (lot specific)
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.
Molecular Weight	23,218 Da
OMIM	606396
3D Structure	ModBase 3D Structure for Q9NQY0
Cross-Reactivity	Human, Dog, Monkey
Immunogen	BIN3 antibody was raised in mouse using a full length recombinant protein of human BIN3 (NP_061158) produced in HEK293T cells, as the immunogen.
Product Categories/Family for anti-BIN3 antibody	Cell Biology
Applications Tested/Suitable for anti-BIN3 antibody	Flow Cytometry (FC/FACS), Immunofluorescence (IF), Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-BIN3 antibody	FC: 1:100 IF: 1:100 IHC: 1:150 WB: 1:500-2000
Related Product Information for anti-BIN3 antibody	MBS831729 is an antibody targeting BIN3. Also known as BIN3 antibody. Host: Mouse. Mouse monoclonal BIN3 antibody
Other Notes	Small volumes of anti-BIN3 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.



Western Blot (WB) of anti-BIN3 antibody
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant BIN3 protein (Right) or empty vector (Left) detected with BIN3 antibody



Immunohistochemistry (IHC) of anti-BIN3 antibody
Immunohistochemical analysis of BIN3 protein in paraffin embedded Human thyroid tissue using BIN3 antibody



Immunofluorescence (IF) of anti-BIN3 antibody
Immunofluorescent staining of COS7 cells transiently transfected with recombinant BIN3 protein using BIN3 antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BIN3. It may not necessarily be applicable to this product.

NCBI GI #	8923904
NCBI GeneID	55909
NCBI Accession #	NP_061158
UniProt Primary Accession #	Q9NQY0
UniProt Secondary Accession #	Q9BVG2; Q9NVY9
UniProt Related Accession #	Q9NQY0
GenBank Nucleotide #	NM_018688.4
NCBI Official Full Name	bridging integrator 3
NCBI Official Synonym Full Names	bridging integrator 3
NCBI Official Symbol	BIN3
UniProt Protein Name	Bridging integrator 3
Protein Family	Bridging integrator
UniProt Gene Name	BIN3
UniProt Entry Name	BIN3_HUMAN
NCBI Protein Information	bridging integrator 3
NCBI Summary for BIN3	The product of this gene is a member of the BAR domain protein family. The encoded protein is comprised solely of a BAR domain which is predicted to form coiled-coil structures and proposed to mediate dimerization, sense and induce membrane curvature, and bind small GTPases. BAR domain proteins have been implicated in endocytosis, intracellular transport, and a diverse set of other processes. [provided by RefSeq, Jul 2008]

UniProt Comments for BIN3	BIN3: Involved in cytokinesis and septation where it has a role in the localization of F-actin. 2 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 8p21.3 Cellular Component: cytoplasm; actin filament Molecular Function: protein binding; cytoskeletal adaptor activity Biological Process: unidimensional cell growth; barrier septum formation; protein localization; actin filament organization; skeletal muscle fiber development; cytokinesis; myoblast migration involved in skeletal muscle regeneration
Research Articles on BIN3	**1.** like RVS161, hob3+ and BIN3 regulate F-actin localization, but other roles for these genes have diverged somewhat during evolution
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