

Rabbit anti-Human, Mouse MAGOH Polyclonal Antibody | anti-MAGOH antibody

MAGOH Antibody

CATALOG # AAA232233	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunoprecipitation, Western Blot, ELISA
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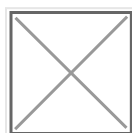
PRODUCT SYNONYMS

MAGOH; Polyclonal Antibody; MAGOH Antibody; Protein mago nashi homolog; MAGOHA; anti-MAGOH antibody

PRODUCT SPECIFICATIONS

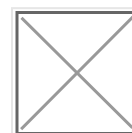
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	146
Applicable Applications for anti-MAGOH antibody	IP (Immunoprecipitation), WB (Western Blot), ELISA
Species	Human
Immunogen	Recombinant human Protein mago nashi homolog protein (1-146AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-48237 / sc-48239 / sc-48240 / sc-99124
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IP (Immunoprecipitation)

Immunoprecipitating MAGOH in HeLa whole cell lysateLane 1: Rabbit monoclonal IgG(1ug)instead of AAA232233 in HeLa whole cell lysate. For western blotting, a HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG was used as the Secondary antibody (1/50000)Lane 2: AAA232233(4ug)+ HeLa whole cell lysate(500ug)Lane 3: HeLa whole cell lysate (20ug)



WB (Western Blot)

Western blotAll lanes: MAGOH antibody at 4.36 ug/mLane 1: Mouse kidney tissueLane 2: A431 whole cell lysateLane 3: Jurkat whole cell lysateLane 4: Raji whole cell lysateLane 5: K562 whole cell lysateLane 6: Hela whole cell lysateSecondaryGoat polyclonal to rabbit IgG at 1/10000 dilutionPredicted band size: 18,13 kDaObserved band size: 17 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-MAGOH antibody	Core component of the splicing-dependent multiprotein exon junction complex (EJC) deposited at splice junctions on mRNAs. The EJC is a dynamic structure consisting of core proteins and several peripheral nuclear and cytoplasmic associated factors that join the complex only transiently either during EJC assembly or during subsequent mRNA metabolism. The EJC marks the position of the exon-exon junction in the mature mRNA for the gene expression machinery and the core components remain bound to spliced mRNAs throughout all stages of mRNA metabolism thereby influencing downstream processes including nuclear mRNA export, subcellular mRNA localization, translation efficiency and nonsense-mediated mRNA decay (NMD). The MAGOH-RBM8A heterodimer inhibits the ATPase activity of EIF4A3, thereby trapping the ATP-bound EJC core onto spliced mRNA in a stable conformation. The MAGOH-RBM8A heterodimer interacts with the EJC key regulator PYM1 leading to EJC disassembly in the cytoplasm and translation enhancement of EJC-bearing spliced mRNAs by recruiting them to the ribosomal 48S preinitiation complex. Involved in the splicing modulation of BCL2L1/Bcl-X (and probably other apoptotic genes); specifically inhibits formation of proapoptotic isoforms such as Bcl-X(S); the function is different from the established EJC assembly.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505087
NCBI GeneID	4116
NCBI Accession #	NP_002361.1
NCBI GenBank Nucleotide #	NM_002370.3
UniProt Accession #	P61326; O35169; P50606; Q5SW69; B1ARP8; B2R5A2
Molecular Weight	12,844 Da
NCBI Official Full Name	protein mago nashi homolog
NCBI Official Synonym Full Names	mago homolog, exon junction complex core component
NCBI Official Symbol	MAGOH
NCBI Official Synonym Symbols	MAGOH1; MAGOHA
NCBI Protein Information	protein mago nashi homolog
UniProt Protein Name	Protein mago nashi homolog
UniProt Gene Name	MAGOH
UniProt Synonym Gene Names	MAGOHA
UniProt Entry Name	MGN_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.