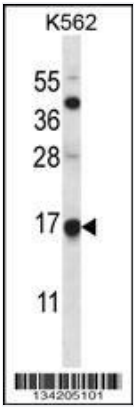
MAGOH Antibody – Rabbit Polyclonal

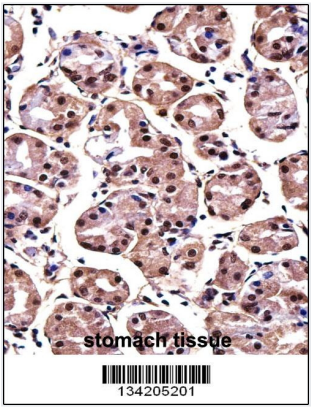
PRODUCT OVERVIEW

Product Name	MAGOH, Polyclonal Antibody
Full Product Name	MAGOH, ID (MAGOH, MAGOHA, Protein mago nashi homolog) (PE)
Product Gene Name	anti-MAGOH antibody
Product Synonym Names	MAGOH; MAGOHA; Protein mago nashi homolog
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	12,844 Da
OMIM	602603
3D Structure	ModBase 3D Structure for P61326
Immunogen	MAGOH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 45-74 amino acids from the Central region of human MAGOH.
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-MAGOH antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-MAGOH antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-MAGOH antibody	IHC: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-MAGOH antibody	Drosophila that have mutations in their mago nashi (grandchildless) gene produce progeny with defects in germplasm assembly and germline development. This gene encodes the mammalian mago nashi homolog. In mammals, mRNA expression is not limited to the germ plasm, but is expressed ubiquitously in adult tissues and can be induced by serum stimulation of quiescent fibroblasts.
Product References and Citations for anti-MAGOH antibody	Gehring, N.H., et al. Cell 137(3):536-548(2009). Muromoto, R., et al. Biochem. Biophys. Res. Commun. 382(1):63-68(2009). Diem, M.D., et al. Nat. Struct. Mol. Biol. 14(12):1173-1179(2007). Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007): Andersen, C.B., et al. Science 313(5795):1968-1972(2006).

Other Notes	Small volumes of anti-MAGOH 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 MAGOH purchase	MBS6318098 is an antibody targeting MAGOH. Also known as MAGOH, ID (MAGOH, MAGOHA, Protein mago nashi homolog) (PE). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-MAGOH antibody
MAGOH Antibody (Center) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the MAGOH antibody detected the MAGOH protein (arrow).



Immunohistochemistry (IHC) of anti-MAGOH antibody
MAGOH Antibody (Center) (AP14367c)immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of MAGOH Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

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

NCBI GI #	4505087
NCBI GeneID	4116
NCBI Accession #	NP_002361.1
UniProt Primary Accession #	P61326
UniProt Secondary Accession #	O35169; P50606; Q5SW69; B1ARP8; B2R5A2
UniProt Related Accession #	P61326
GenBank Nucleotide #	NM_002370.3
NCBI Official Full Name	protein mago nashi homolog
NCBI Official Synonym Full Names	mago-nashi homolog, proliferation-associated (Drosophila)
NCBI Official Symbol	MAGOH
NCBI Official Synonym Symbols	MAGOH1; MAGOHA
UniProt Protein Name	Protein mago nashi homolog
Protein Family	Protein mago nashi
UniProt Gene Name	MAGOH
UniProt Synonym Gene Names	MAGOHA
UniProt Entry Name	MGN_HUMAN
NCBI Protein Information	protein mago nashi homolog

UniProt Comments for MAGOH	MAGOH: Component of a splicing-dependent multiprotein exon junction complex (EJC) deposited at splice junction on mRNAs. The EJC is a dynamic structure consisting of a few core proteins and several more peripheral nuclear and cytoplasmic associated factors that join the complex only transiently either during EJC assembly or during subsequent mRNA metabolism. Core components of the EJC, that remains bound to spliced mRNAs throughout all stages of mRNA metabolism, functions to mark the position of the exon-exon junction in the mature mRNA and thereby influences downstream processes of gene expression including mRNA splicing, nuclear mRNA export, subcellular mRNA localization, translation efficiency and nonsense-mediated mRNA decay (NMD). Remains associated with the mRNA after its export to the cytoplasm and require translation of the mRNA for removal. The heterodimer MAGOH-RBM8A interacts with PYM that function to enhance the translation of EJC-bearing spliced mRNAs by recruiting them to the ribosomal 48S preinitiation complex. Belongs to the mago nashi family. Protein type: RNA splicing; Spliceosome Chromosomal Location of Human Ortholog: 1p32.3 Cellular Component: nucleoplasm; nuclear speck; nucleus; cytosol Molecular Function: protein binding Biological Process: regulation of translation; transcription from RNA polymerase II promoter; nuclear mRNA splicing, via spliceosome; mRNA export from nucleus; RNA splicing; mRNA catabolic process, nonsense-mediated decay; gene expression; mRNA 3'-end processing; termination of RNA polymerase II transcription; regulation of alternative nuclear mRNA splicing, via spliceosome
Research Articles on MAGOH	**1.** findings show 2 genes MAGOH and MAGOHB are expressed in mammals; in macrophages, expression of MAGOHB but not MAGOH mRNA increases after LPS stimulation; both MAGOH proteins interact with other exon junction complex (EJC) components, incorporate into mRNA-bound EJCs and activate nonsense-mediated decay
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