

Datasheet for ABIN7165791  
**anti-MAGOH antibody (AA 1-146)**



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4 Images

## Overview

Quantity:	100 µL
Target:	MAGOH
Binding Specificity:	AA 1-146
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAGOH antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP)

## Product Details

Immunogen:	Recombinant Human Protein mago nashi homolog protein (1-146AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antigen Affinity Purified

## Target Details

Target:	MAGOH
Alternative Name:	MAGOH ( <a href="#">MAGOH Products</a> )
Background:	Background: 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

## Target Details

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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.

Aliases: Mago nashi homolog proliferation associated (Drosophila) antibody, Mago nashi protein homolog antibody, magoh antibody, MAGOHA antibody, MGN\_HUMAN antibody, Protein mago nashi homolog antibody

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UniProt: [P61326](#)

## Application Details

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Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200, IP:1:200-1:2000,

Restrictions: For Research Use only

## Handling

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Format: Liquid

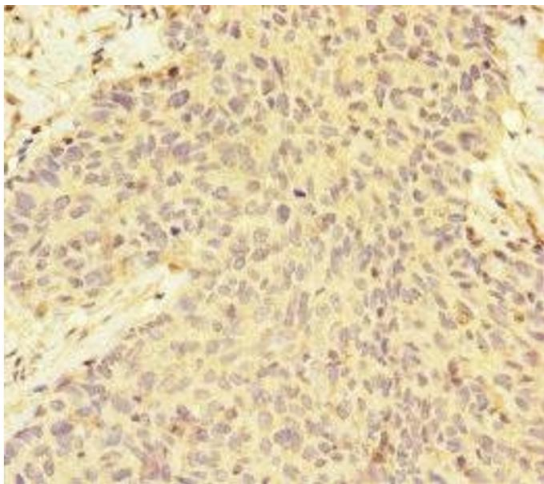
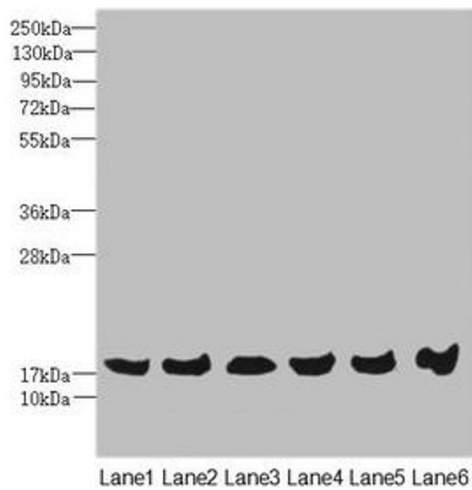
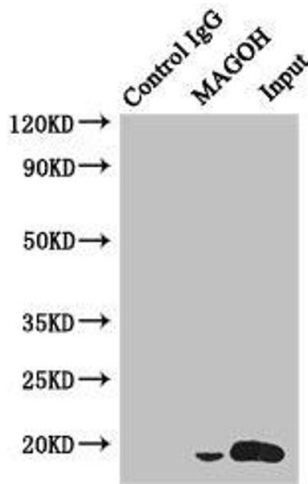
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



### Western Blotting

**Image 1.** Immunoprecipitating MAGOH in HeLa whole cell lysate Lane 1: Rabbit control IgG instead of (1 µg) instead of ABIN7165791 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: ABIN7165791 (4 µg) + HeLa whole cell lysate (500 µg) Lane 3: HeLa whole cell lysate (20 µg)

### Western Blotting

**Image 2.** Western blot All lanes: MAGOH antibody at 4.69 µg/mL Lane 1: Mouse kidney tissue Lane 2: A431 whole cell lysate Lane 3: Jurkat whole cell lysate Lane 4: Raji whole cell lysate Lane 5: K562 whole cell lysate Lane 6: HeLa whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 18, 13 kDa Observed band size: 18 kDa

### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded human ovarian cancer using ABIN7165791 at dilution of 1:100

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7165791.