

## anti- MAGOH antibody

### Product Information

Catalog No.:	FNab04954
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### 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 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.

### Immunogen information

Immunogen: mago-nashi homolog, proliferation-associated(Drosophila)

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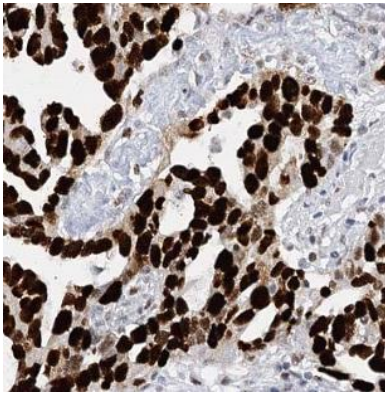
Fax: (0086)027-87800889 [www.fn-test.com](http://www.fn-test.com)

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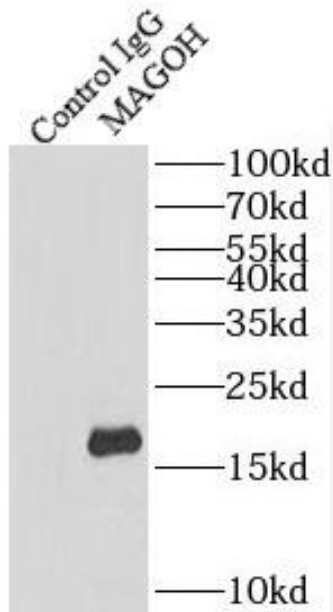
Synonyms: MAGOHA  
Observed MW: 17 kDa  
UniprotID : P61326

### Application

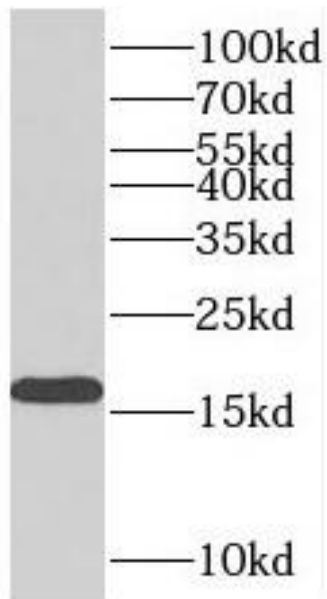
Reactivity: Human  
Tested Application: ELISA, IHC, IP, WB  
Recommended dilution: WB: 1:500-1:2000; IP: 1:200-1:1000; IHC: 1:20-1:200  
Image:



Immunohistochemistry of paraffin-embedded human ovary tumor using FNab04954(MAGOHA antibody) at dilution of 1:50



IP Result of anti-MAGOH (IP:FNab04954, 3ug;  
Detection:FNab04954 1:500) with K-562 cells  
lysate 2400ug.



K-562 cells were subjected to SDS PAGE  
followed by western blot with  
FNab04954(MAGOH Antibody) at dilution of  
1:1000