For Research Use Only

MAGOH Polyclonal antibody

Catalog Number:12347-1-AP 10 Publications

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Basic Information

Catalog Number:
12347-1-AP

Size:
150ul , Concentration: 260 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG3004

GenBank Accession Number:
BC018211

GeneID (NCBI):
4116

UNIPROT ID:
P61326

Full Name:
mago-nashi homolog, proliferation-associated (Drosophila)

Calculated MW:
146 aa, 17 kDa

Observed MW:
17 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:50-1:500

Applications

Tested Applications:
WB, IP, IHC, ELISA

Cited Applications:
WB, IHC, IF, IP

Species Specificity:
human

Cited Species:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : K-562 cells, HeLa cells, HL-60 cells, human brain tissue, Raji cells

IP : K-562 cells,

IHC : human ovary tumor tissue,

Background Information

MAGOH, belonging to the mago nashi family, is a 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 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). MAGOH regulates the transcriptional activation of STAT3 by interfering complex formation between STAT3 and a core EJC component Y14.

Notable Publications

Author	Pubmed ID	Journal	Application
Hanqian Mao	27618312	PLoS Genet	IHC
Dan Li	36416264	Nucleic Acids Res	WB
Duygu Kuzuoglu-Ozturk	34192540	Cell Rep	WB

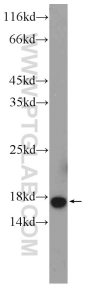
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

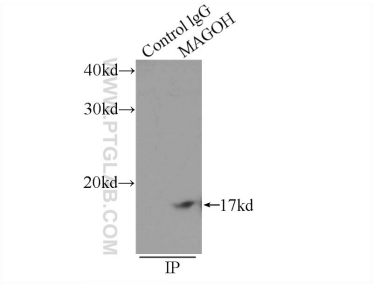
*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

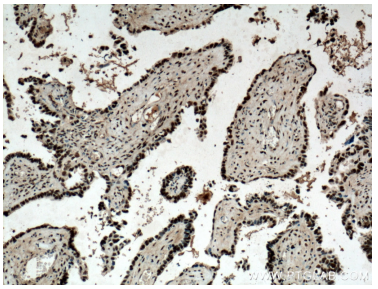
Selected Validation Data



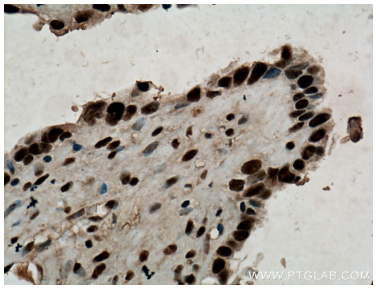
K-562 cells were subjected to SDS PAGE followed by western blot with 12347-1-AP (MAGOH Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-MAGOH (IP:12347-1-AP, 3ug; Detection:12347-1-AP 1:500) with K-562 cells lysate 2400ug.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 12347-1-AP (MAGOH antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 12347-1-AP (MAGOH antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).