

For Research Use Only

# MOV10 Polyclonal antibody

Catalog Number:10370-1-AP

Featured Product

28 Publications



## Basic Information

### Catalog Number:

10370-1-AP

### Size:

150ul , Concentration: 800 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0384

### GenBank Accession Number:

BC002548

### GeneID (NCBI):

4343

### UNIPROT ID:

Q9HCE1

### Full Name:

Mov10, Moloney leukemia virus 10, homolog (mouse)

### Calculated MW:

114 kDa

### Observed MW:

110-115 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:2000-1:16000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:50-1:500

IF/ICC: 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF, IP, CoIP, RIP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

### Positive Controls:

**WB** : HEK-293 cells, HepG2 cells, human liver tissue, HeLa cells, MCF-7 cells, mouse liver tissue, rat liver tissue

**IP** : HepG2 cells,

**IHC** : human prostate hyperplasia tissue,

**IF/ICC** : HepG2 cells, MCF-7 cells

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

## Background Information

MOV10, also named as KIAA1631, belongs to the DNA2/NAM7 helicase family and SDE3 subfamily. It is required for RNA-mediated gene silencing by the RNA-induced silencing complex (RISC). Human MOV10 may regulate a wide range of RNA viruses and could also control the retrotransposition of endogenous retroelements in mammals(PMID:22727223). MOV10 has a broad antiretroviral activity that can target a wide range of retroviruses, and it could be actively involved in host defense against retroviral infection. MOV10 can potentially inhibit HIV-1 replication at multiple stages(PMID:20215113). It is involved in the progression of telomerase-catalyzing reaction via the interaction of telomerase protein and telomere DNA.

## Notable Publications

Author	Pubmed ID	Journal	Application
Goodier John L JL	23093941	PLoS Genet	WB,IF
Malgorzata M. Duszczuk	36202814	Nat Commun	IF
Lea H Gregersen	24726324	Mol Cell	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

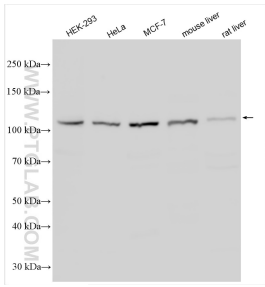
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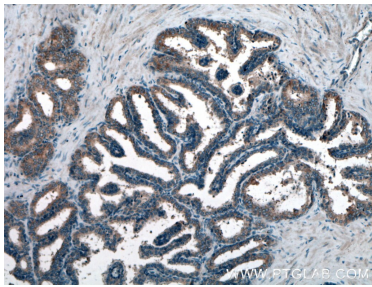
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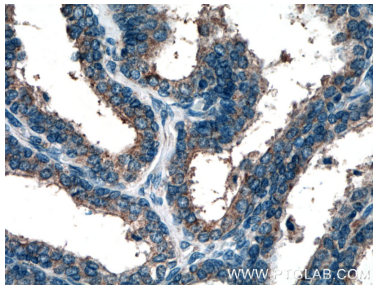
Selected Validation Data



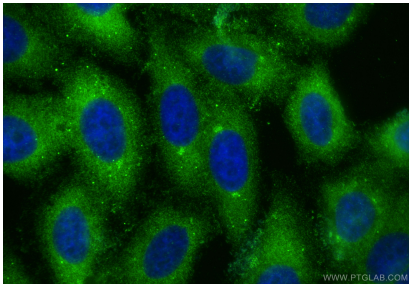
Various lysates were subjected to SDS PAGE followed by western blot with 10370-1-AP (MOV10 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



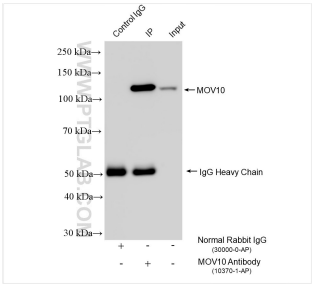
Immunohistochemical analysis of paraffin-embedded human prostate hyperplasia tissue slide using 10370-1-AP (MOV10 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human prostate hyperplasia tissue slide using 10370-1-AP (MOV10 antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using MOV10 antibody (10370-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



IP result of anti-MOV10 (IP:10370-1-AP, 4ug; Detection:10370-1-AP 1:5000) with HepG2 cells lysate 1480 ug.