

For Research Use Only

# MOV10 Polyclonal antibody

Catalog Number: 10370-1-AP

Featured Product

28 Publications



## Basic Information

<b>Catalog Number:</b> 10370-1-AP	<b>GenBank Accession Number:</b> BC002548	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 800 µg/ml by Nanodrop and 547 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 4343	<b>Recommended Dilutions:</b> WB 1:2000-1:16000 IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> Mov10, Moloney leukemia virus 10, homolog (mouse)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 114 kDa	
<b>Immunogen Catalog Number:</b> AG0384	<b>Observed MW:</b> 110-115 kDa	

## Applications

**Tested Applications:**  
IF, IHC, IP, WB, ELISA

**Cited Applications:**  
CoIP, IF, IHC, IP, RIP, WB

**Species Specificity:**  
human, mouse, rat

**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:** 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:** HepG2 cells,

## 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 potently 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
Małgorzata 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

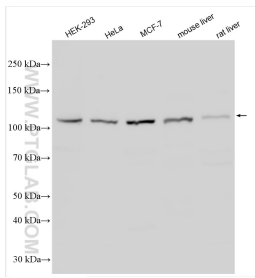
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

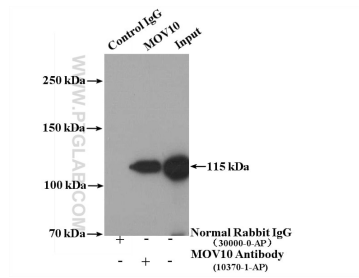
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

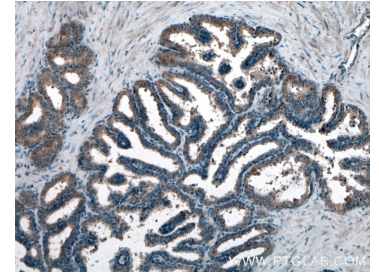
## Selected Validation Data



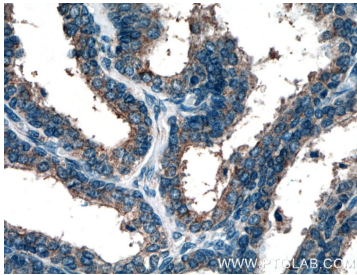
Various lysates were subjected to SDS PAGE followed by western blot with 10370-1-AP (MOV10 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



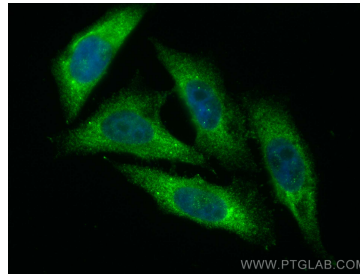
IP result of anti-MOV10 (IP:10370-1-AP, 4ug; Detection:10370-1-AP 1:300) with HepG2 cells lysate 3000 ug.



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 AffiniPure Goat Anti-Rabbit IgG(H+L).