

MOV10 Polyclonal antibody

Catalog Number: 10370-1-AP

Featured Product

28 Publications

Basic Information

Catalog Number:

10370-1-AP

Size:

800 µg/ml

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 µg 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, IP, CoIP, RIP, IF

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/ICC : 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 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
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

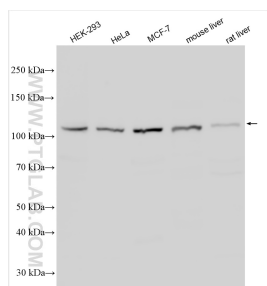
For technical support and original validation data for this product please contact:

T: 4006900926

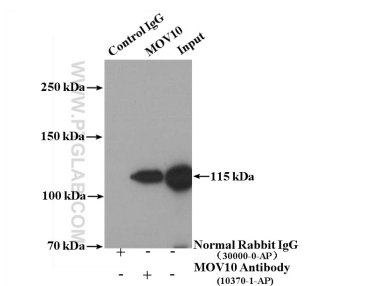
E: Proteintech-CN@ptglab.comW: ptgcn.com

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

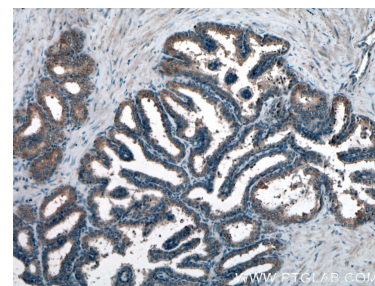
Selected Validation Data



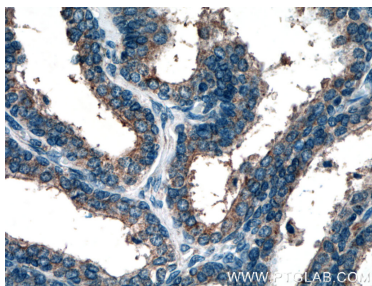
Various lysates were subjected to SDS PAGE followed by western blot with 10370-1-AP (MOV10 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



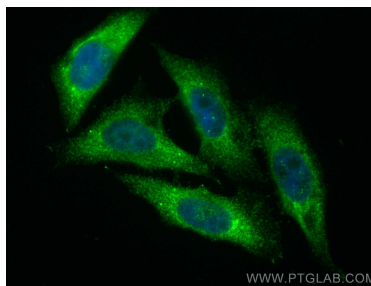
IP result of anti-MOV10 (IP:10370-1-AP, 4ug; Detection:10370-1-AP 1:300) with HepG2 cells lysate 3000 ug.



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).