For Research Use Only

MOV10 Polyclonal antibody

Catalog Number:10370-1-AP Featured Product 28 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

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, 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 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
Malgorzata M. Duszczyk	36202814	Nat Commun	IF
Lea H Gregersen	24726324	Mol Cell	WB

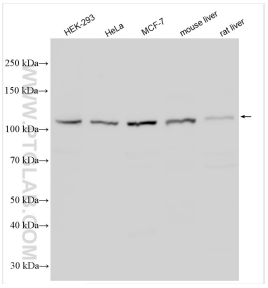
Storage

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

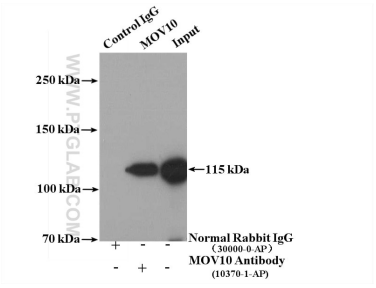
*** 20ul sizes contain 0.1% BSA

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

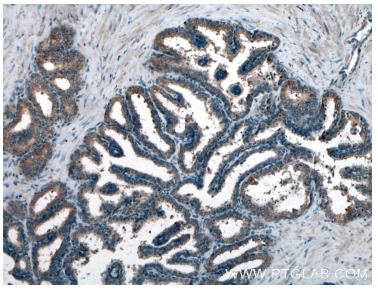
Selected Validation Data



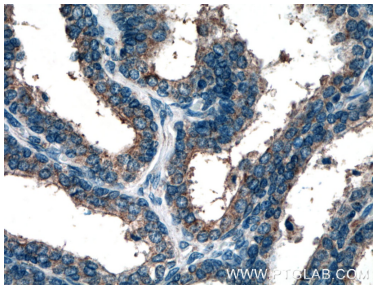
Various lysates were subjected to SDS PAGE followed by western blot with 10370-1-AP (MOV10 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



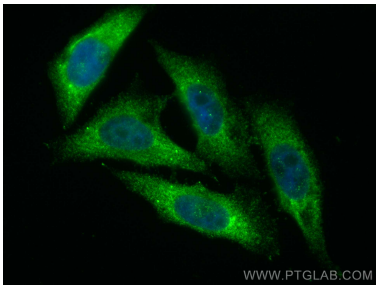
IP result of anti-MOV10 (IP:10370-1-AP, 4ug; Detection:10370-1-AP 1:300) with Hepg2 cells lysate 3000 ug.



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 Goat Anti-Rabbit IgG(H+L).