

For Research Use Only

ADRM1 Polyclonal antibody

Catalog Number: 11468-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number:

11468-1-AP

Size:

150ul, Concentration: 240 µg/ml by Nanodrop and 153 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1997

GenBank Accession Number:

BC017245

GeneID (NCBI):

11047

Full Name:

adhesion regulating molecule 1

Calculated MW:

407 aa, 42 kDa

Observed MW:

46 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:5000

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

IHC 1:50-1:500

IF 1:20-1:200

Applications

Tested Applications:

FC, IF, IHC, IP, WB, ELISA

Cited Applications:

CoIP, IF, IHC, IP, 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: HeLa cells, K-562 cells, PC-3 cells, Raji cells, NIH/3T3 cells

IP: mouse testis tissue,

IHC: human colon cancer tissue,

IF: MCF-7 cells,

Background Information

The 26S proteasome is a key component of the ubiquitin-proteasome system, a process responsible for the majority of cellular protein degradation. hRpn13 (also termed ADRM1 or GP110) is a novel 46-kDa subunit of its 19S regulatory complex. hRpn13 binds directly to the proteasome-associated deubiquitinating enzyme, UCH37, and enhances its isopeptidase activity. Overexpression of hRpn13 promotes the activity of the ubiquitin-proteasome system and modulates the influence of osteoblasts on osteoclasts by controlling the stability of regulatory proteins in osteoblasts.

Notable Publications

Author	Pubmed ID	Journal	Application
George H Gorrie	25246588	Proc Natl Acad Sci U S A	IHC
Mayuko Osaka	26944018	Biochem Biophys Res Commun	IF
Hyunju Ryu	24910440	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

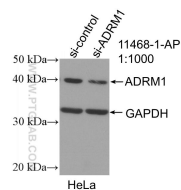
For technical support and original validation data for this product please contact:

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

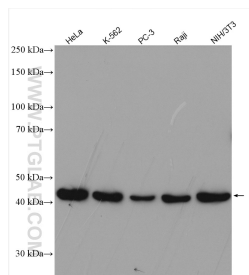
E: proteintech@ptglab.com
W: ptglab.com

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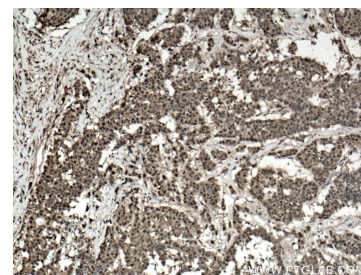
Selected Validation Data



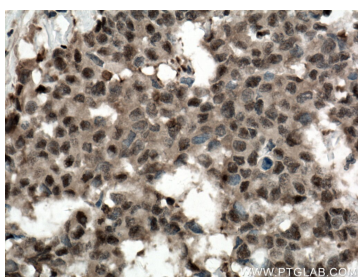
WB result of ADRM1 antibody (11468-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ADRM1 transfected HeLa cells.



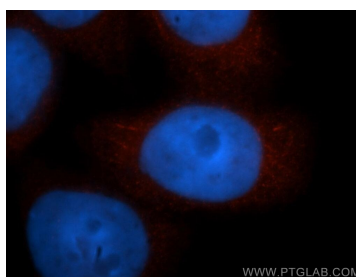
Various lysates were subjected to SDS PAGE followed by western blot with 11468-1-AP (ADRM1 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



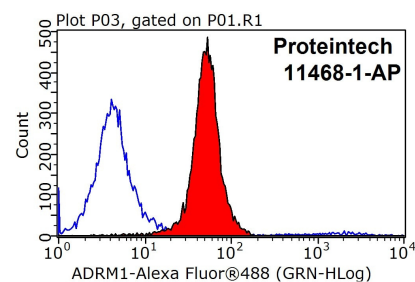
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11468-1-AP (ADRM1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



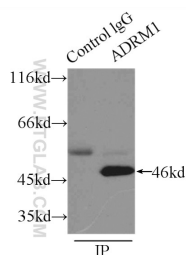
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11468-1-AP (ADRM1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of MCF-7 cells, using ADRM1 antibody 11468-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



1X10⁶ MCF-7 cells were stained with 0.2ug ADRM1 antibody (11468-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



IP Result of anti-ADRM1 (IP:11468-1-AP, 3ug; Detection:11468-1-AP 1:500) with mouse testis tissue lysate 8000ug.