For Research Use Only

ADRM1 Polyclonal antibody

Catalog Number:11468-1-AP Featured Product 10 Publications

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Basic Information

Catalog Number:
11468-1-AP

Size:
240 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG1997

GenBank Accession Number:
BC017245

GeneID (NCBI):
11047

UNIPROT ID:
Q16186

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 ug for 1.0-3.0 mg of total protein lysate
IHC 1:50-1:500
IF/ICC 1:200-1:800

Applications

Tested Applications:
WB, IHC, IF/ICC, IP, ELISA

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

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/ICC : HeLa 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

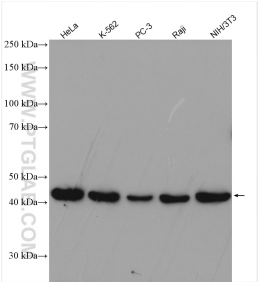
Author	Pubmed ID	Journal	Application
George H Gorrie	25246588	Proc Natl Acad Sci U S A	IHC
Mayuko Osaka	26944018	Biochem Biophys Res Commun	IF
Hyunju Ryu	24910440	Cell Rep	WB

Storage

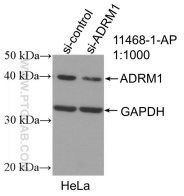
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

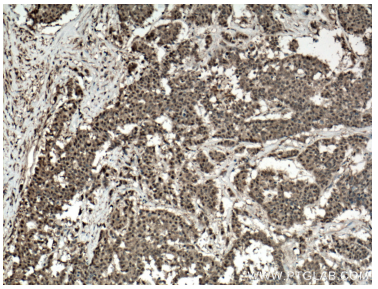
Selected Validation Data



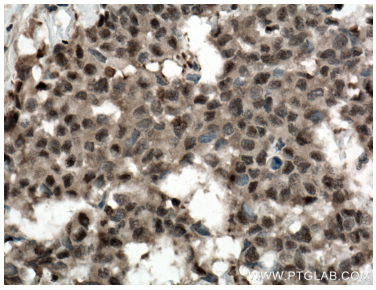
Various lysates were subjected to SDS PAGE followed by western blot with 11468-1-AP (ADRM1 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



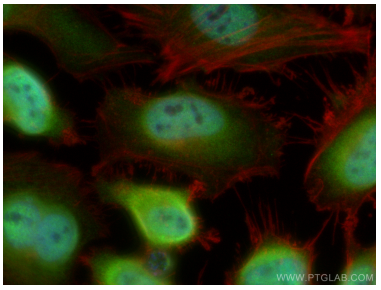
WB result of ADRM1 antibody (11468-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ADRM1 transfected HeLa cells.



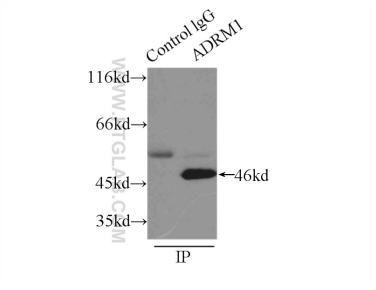
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11468-1-AP (ADRM1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 (4% PFA) fixed HeLa cells using ADRM1 antibody (11468-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), 100 (red).



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