

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 ug/ml by Nanodrop and 153 ug/ml by Bradford method using BSA as the standard;

### 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

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

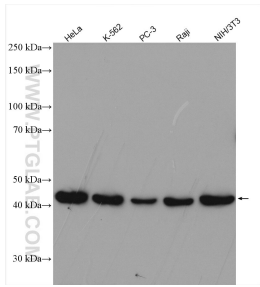
For technical support and original validation data for this product please contact:

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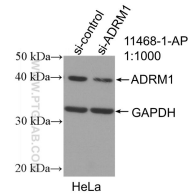
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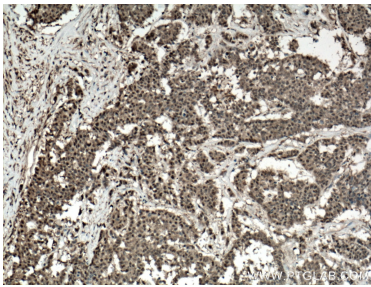
Selected Validation Data



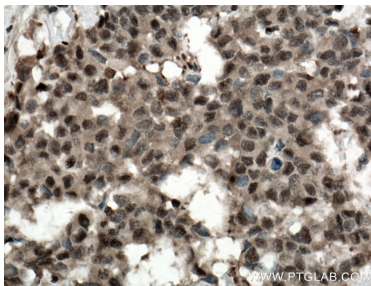
Various lysates were subjected to SDS PAGE followed by western blot with 11468-1-AP (ADRM1 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



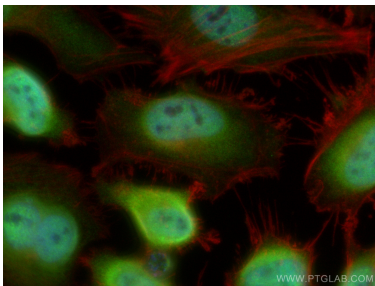
WB result of ADRM1 antibody (11468-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ADRM1 transfected HeLa cells.



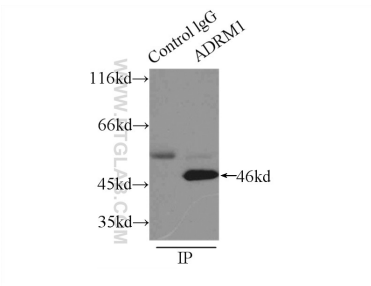
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11468-1-AP (ADRM1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.