

ADRM1 Polyclonal Antibody

Catalog number: 11468-1-AP

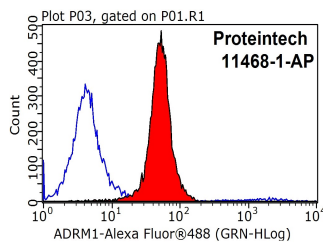
Size: 23 µg/150 µl

Source: Rabbit

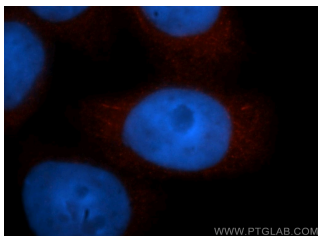
Isotype: IgG

Synonyms:

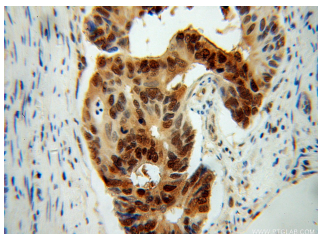
ADRM1; adhesion regulating molecule 1, ADRM1, ARM 1, ARM1, GP110, hRpn13, Rpn13, Rpn13 homolog



1X10⁶ MCF-7 cells were stained with 0.2µg 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.



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).



Immunohistochemical of paraffin-embedded human colon cancer using 11468-1-AP(ADRM1 antibody) at dilution of 1:100 (under 40x lens)

Background

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.

Applications

Tested applications:

ELISA, IHC, IF, IP, FC, WB

Cited applications:

IHC, WB

Species specificity:

Human, Mouse, Rat; other species not tested.

Cited species:

Human, mouse

Calculated ADRM1 MW:

407aa, 42 kDa

Observed ADRM1 MW:

46kd

Positive WB detected in

HEK-293 cells, HeLa cells, mouse ovary tissue, mouse testis tissue

Positive IP detected in

Mouse testis tissue

Positive IHC detected in

Human colon cancer tissue

Positive IF detected in

MCF-7 cells

Positive FC detected in

MCF-7 cells

Recommended dilution:

WB: 1:500-1:5000

IP: 1:200-1:2000

IHC: 1:20-1:200

IF: 1:20-1:200

FC: N/A

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:

Ag1997

GenBank accession number:

BC017245

Gene ID (NCBI):

11047

Full name:

Adhesion regulating molecule 1

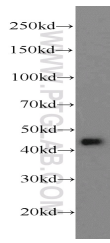
Product information

Purification method:

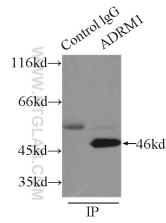
Antigen affinity purification

Storage:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



HEK-293 cells were subjected to SDS PAGE followed by western blot with 11468-1-AP(ADRM1 antibody) at dilution of 1:1000



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