

For Research Use Only

# ADRM1 Monoclonal antibody

Catalog Number: 66464-1-Ig



## Basic Information

<b>Catalog Number:</b> 66464-1-Ig	<b>GenBank Accession Number:</b> BC017245	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 2000 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 11047	<b>CloneNo.:</b> 1A1A3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q16186	<b>Recommended Dilutions:</b> WB 1:5000-1:20000 IF/ICC 1:200-1:800
<b>Isotype:</b> IgG3	<b>Full Name:</b> adhesion regulating molecule 1	
<b>Immunogen Catalog Number:</b> AG24699	<b>Calculated MW:</b> 407 aa, 42 kDa	
	<b>Observed MW:</b> 42 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> HeLa cells, HEK-293 cells, Raji cells <b>IF/ICC :</b> 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.

## Storage

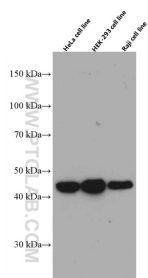
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

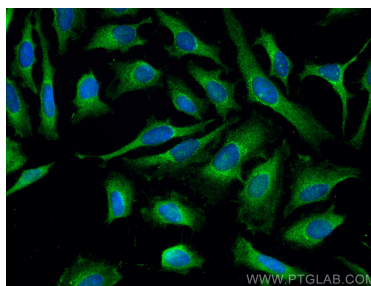
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66464-1-Ig (ADM1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using ADM1 antibody (66464-1-Ig, Clone: 1A1A3 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).