

For Research Use Only

# ADAMTS12 Polyclonal antibody

Catalog Number: 24934-1-AP

Featured Product

9 Publications



## Basic Information

<b>Catalog Number:</b> 24934-1-AP	<b>GenBank Accession Number:</b> BC058841	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop and 533 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 81792	<b>Recommended Dilutions:</b> WB 1:200-1:1000 IF 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> ADAM metalloproteinase with thrombospondin type 1 motif, 12	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 178 kDa	
<b>Immunogen Catalog Number:</b> AG20712	<b>Observed MW:</b> 155 kDa	

## Applications

<b>Tested Applications:</b> IF, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, WB	<b>WB :</b> mouse placenta tissue, NIH/3T3 cells
<b>Species Specificity:</b> human, mouse	<b>IF :</b> NIH/3T3 cells,
<b>Cited Species:</b> human, rat, mouse	

## Background Information

ADAMTS12 (A disintegrin and metalloproteinase with thrombospondin motifs 12) is also named as AT12, ADAM-TS12, PRO4389 and belongs to the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) protein family. It may play roles in pulmonary cells during fetal development or in tumor processes through its proteolytic activity or as a molecule potentially involved in regulation of cell adhesion. ADAMTS7 and ADAMTS12 appear to be potent negative regulators of endplate cartilage development (PMID:22247065). This protein has 3 isoforms produced by alternative splicing. The full length protein has 14 glycosylation sites.

## Notable Publications

Author	Pubmed ID	Journal	Application
Sneha Mani	30239759	Hum Mol Genet	WB, IF
Yangming Hou	34040054	Sci Rep	WB
Linna Zhang	29767251	Int J Mol Med	WB

## Storage

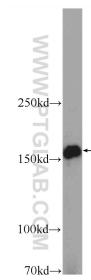
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

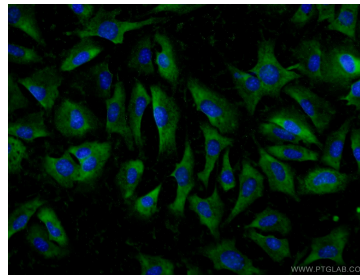
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



mouse placenta tissue were subjected to SDS PAGE followed by western blot with 24934-1-AP (ADAMTS12 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of NIH/3T3 cells using 24934-1-AP (ADAMTS12 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).