

For Research Use Only

ADAMTS12 Polyclonal antibody

Catalog Number: 24934-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number:

24934-1-AP

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG20712

GenBank Accession Number:

BC058841

GeneID (NCBI):

81792

UNIPROT ID:

P58397

Full Name:

ADAM metalloproteinase with thrombospondin type 1 motif, 12

Calculated MW:

178 kDa

Observed MW:

155 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IF 1:20-1:200

Applications

Tested Applications:

IF/ICC, WB, ELISA

Cited Applications:

IF, WB

Species Specificity:

human, mouse

Cited Species:

human, rat, mouse

Positive Controls:

WB : mouse placenta tissue, NIH/3T3 cells

IF : NIH/3T3 cells,

Background Information

ADAMTS12(A disintegrin and metalloproteinase with thrombospondin motifs 12) is also named as AT12, ADAMTS12, 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

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

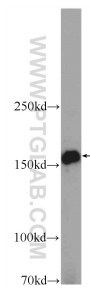
T: 4006900926

E: Proteintech-CN@ptglab.com

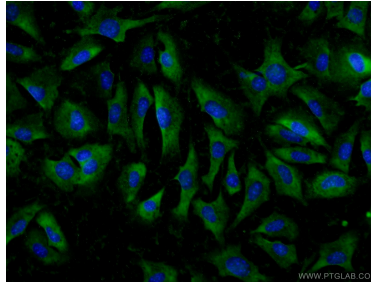
W: ptgcn.com

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).