ADAMTS12
Polyclonal ANTIBODY
Catalog Number: 24934-1-AP

Basic Information
Catalog Number: 24934-1-AP
Size: 80 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG20712
GenBank Accession Number: BC058841
GeneID (NCBI): 81792
Full Name: ADAM metallopeptidase with thrombospondin type 1 motif, 12
Calculated MW: 178 kDa
Observed MW: 155 kDa

Recommended Dilutions:
WB: 1:200-1:1000
IHC: 1:20-1:200
IF: 1:20-1:200

Tested Applications:
IF, IHC, WB, ELISA
Cited Applications:
IF, WB

Species Specificity:
human, mouse
Cited Species:
human, mouse

Note: suggested antigen retrieval with TE buffer pH 9.0; alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Applications

Positive Controls:
WB: mouse placenta tissue; NIH/3T3 cells
IHC: human stomach cancer tissue; human skeletal muscle tissue
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 motif) protein family. It may play roles in pulmonary cells during fetal development or in tumour 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

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<tr>
<th>Author</th>
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<tr>
<td>Sneha Mani</td>
<td>30239759</td>
<td>Hum Mol Genet</td>
<td>IF, WB</td>
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<tr>
<td>Linna Zhang</td>
<td>26767251</td>
<td>Int J Mol Med</td>
<td>WB</td>
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<tr>
<td>Tania Fontanil</td>
<td>28069917</td>
<td>Oncotarget</td>
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Storage
Store at -20°C. Stable for one year after shipment.
Storage Buffers: PBS with 0.01% 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:
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.
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.

Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 24934-1-AP (ADAMTS12 Antibody) at dilution of 1:50 (under 10x lens).

Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 24934-1-AP (ADAMTS12 Antibody) at dilution of 1:50 (under 40x lens).

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).