

ADAMTS1 Rabbit pAb

ADAMTS1 Rabbit pAb Catalog # AP94418

Specification

ADAMTS1 Rabbit pAb - Product Information

Application WB, IHC-P, IHC-F, IF

Primary Accession
Reactivity
Mouse
Host
Clonality
Calculated MW
Physical State
P97857
Rabbit
Rabbit
Polyclonal
106 KDa
Liquid

Immunogen KLH conjugated synthetic peptide derived

laG

from mouse ADAMTS1

Epitope Specificity 851-967/967

Isotype
Purity
affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

SUBCELLULAR LOCATION Proclin300 and 50% Glycerol.
Secreted > extracellular space >

extracellular matrix.

SIMILARITY Contains 1 disintegrin domain. Contains 1

peptidase M12B domain. Contains 3 TSP

type-1 domains.

Post-translational modifications The precursor is cleaved by a furin

endopeptidase.

Important Note This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

ADAMTS1 is a metalloproteinase of the ADAM (A Disintegrin And Metalloproteinase) family containing disintegrin-like domains. ADAMTS1, also known as METH1, was first described as a protein elevated in invasive mouse tumors. Initial findings indicated a role for ADAMTS1 in tumor progression, since the protein was preferentially expressed in more invasive tumor cell lines. ADAMTS1 is necessary for normal growth, fertility, and organ morphology and function.

ADAMTS1 Rabbit pAb - Additional Information

Gene ID 11504

Other Names

A disintegrin and metalloproteinase with thrombospondin motifs 1, ADAM-TS 1, ADAM-TS1, ADAMTS-1, 3.4.24.-, Adamts1

Dilution

WB~~1:1000<br \><span class</pre>



="dilution_IHC-P">IHC-P~~N/A<br \> < span class = "dilution_IHC-F">IHC-F~~N/A<br \> < span class = "dilution_IF">IF~~1:50~200

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 $^{\circ}$ C.

ADAMTS1 Rabbit pAb - Protein Information

Name Adamts1

Function

Metalloprotease which cleaves aggrecan, a cartilage proteoglycan, at the '1691-Glu-|-Leu-1692' site (within the chondroitin sulfate attachment domain), and may be involved in its turnover (PubMed:10930576, PubMed:9441751). Also cleaves COMP (By similarity). Has angiogenic inhibitor activity (By similarity). May play a critical role in follicular rupture (PubMed:10781075).

Cellular Location

Secreted, extracellular space, extracellular matrix

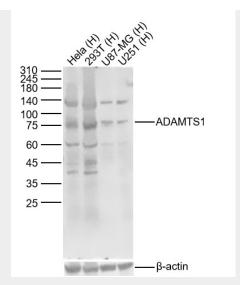
ADAMTS1 Rabbit pAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

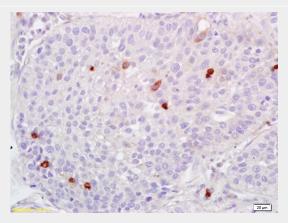
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ADAMTS1 Rabbit pAb - Images





Sample: Lane 1: Human Hela cell Lysates Lane 2: Human 293T cell Lysates Lane 3: Human U87-MG cell Lysates Lane 4: Human U251 cell Lysates Primary: Anti-ADAMTS1 (AP94418) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 106kDa Observed band size: 80kDa



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-ADAMTS1 Polyclonal Antibody, Unconjugated(AP94418) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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