ADAMTS5 Rabbit pAb

Catalog NO.: A2836 **33 Publications**

Basic Information

Observed MW
73 kDa

Calculated MW
101 kDa

Category
Polyclonal Antibodies

Applications
WB, IHC-P, ELISA

Cross-Reactivity
Human, Mouse, Rat

Conjugation
Unconjugated

Background

This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) protein family. Members of the family share several distinct protein modules, including a propeptide region, a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. Individual members of this family differ in the number of C-terminal TS motifs, and some have unique C-terminal domains. The encoded preproprotein is proteolytically processed to generate the mature enzyme. This enzyme contains two C-terminal TS motifs and functions as an aggrecanase that cleaves aggrecan, a major proteoglycan of cartilage, and may mediate cartilage destruction in osteoarthritis.

Recommended Dilutions

WB	1:1000 - 1:5000
IHC-P	1:200 - 1:800

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
11096

Swiss Prot
Q9UNA0

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
ADAMTS5; ADAM-TS 11; ADAM-TS 5; ADAM-TS5; ADAMTS-11; ADAMTS-5; ADAMTS11; ADMP-2; ADAM-TS11

Contact

Product Information

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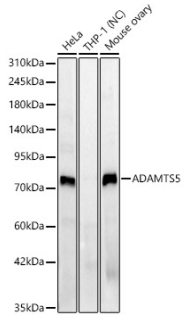
Source
Rabbit

Isotype
IgG

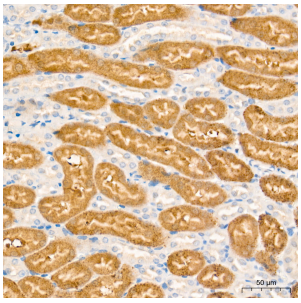
Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of various lysates using ADAMTS5 Rabbit pAb (A2836) at 1:2000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): THP-1.
Exposure time: 20s.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using ADAMTS5 Rabbit pAb (A2836) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

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