A2836

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ADAMTS5 Rabbit pAb

Catalog No.: A2836 **21 Publications**

Basic Information

Observed MW
73kDa

Calculated MW
101kDa

Category
Polyclonal Antibody

Applications
WB,ELISA

Cross-Reactivity
Human,Mouse,Rat

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

Immunogen Information

Gene ID
11096

Swiss Prot
Q9UNA0

Immunogen
A synthetic peptide corresponding to a sequence within amino acids 601-700 of human ADAMTS5 (NP_008969.2).

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

Contact

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Product Information

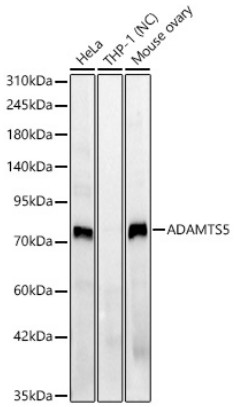
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates using ADAMTS5 Rabbit pAb (A2836) at 1:2000 dilution.
Secondary antibody:HRP 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.
Exposuretime: 20s.