

Anti-ADAMTS1 Antibody

Catalog # ABO11377

Product Information

Application	WB
Primary Accession	P97857
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for A disintegrin and metalloproteinase with thrombospondin motifs 1(ADAMTS1) detection. Tested with WB in Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

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
Calculated MW	105801
Application Details	Western blot, 0.1-0.5 µg/ml, Rat, Mouse
Subcellular Localization	Secreted, extracellular space, extracellular matrix.
Source	Eukaryota
Protein Name	A disintegrin and metalloproteinase with thrombospondin motifs 1
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse ADAMTS1(956-968aa KHYIDFCTLQCS), different from the related rat sequence by one amino acid, and from the related human sequence by four amino acids.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Sequence Similarities

Contains 1 disintegrin domain.

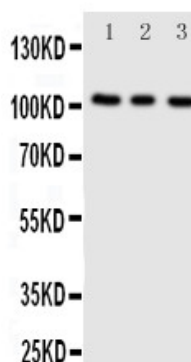
Protein Information

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

Background

A disintegrin and metalloproteinase with thrombospondin motifs 1 is an enzyme that in humans is encoded by the ADAMTS1 gene. This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motif) 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 protein encoded by this gene contains two disintegrin loops and three C-terminal TS motifs and has anti-angiogenic activity. The expression of this gene may be associated with various inflammatory processes as well as development of cancer cachexia. This gene is likely to be necessary for normal growth, fertility, and organ morphology and function.

Images



Anti-ADAMTS1 antibody, ABO11377, Western blotting
All lanes: Anti ADAMTS1 (ABO11377) at 0.5ug/ml
Lane 1: Rat Liver Tissue Lysate at 50ug
Lane 2: Rat Heart Tissue Lysate at 50ug
Lane 3: Rat Brain Tissue Lysate at 50ug
Predicted bind size: 105KD
Observed bind size: 105KD

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