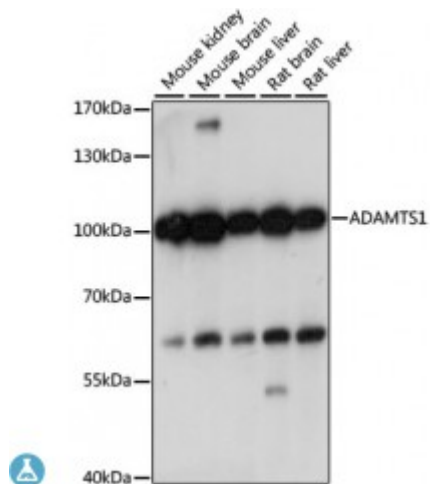


Anti-ADAMTS1 Antibody



Description

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.

Model	STJ117551
Host	Rabbit
Reactivity	Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 718-967 of human ADAMTS1 (NP_008919.3).
Gene ID	9510
Gene Symbol	ADAMTS1
Dilution range	WB 1:200 - 1:2000
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	A disintegrin and metalloproteinase with thrombospondin motifs 1 ADAM-TS1 ADAM-TS1 ADAMTS-1
Molecular Weight	105.358 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:217OMIM:605174Reactome:R-HSA-1474228
Alternative Names	A disintegrin and metalloproteinase with thrombospondin motifs 1 ADAM-TS1 ADAM-TS1 ADAMTS-1
Function	Cleaves aggrecan, a cartilage proteoglycan, at the '1938-Glu- -Leu-1939' site (within the chondroitin sulfate attachment domain), and may be involved in its turnover , Has angiogenic inhibitor activity, Active metalloprotease, which may be associated with various inflammatory processes as well as development of cancer cachexia, May play a critical role in follicular rupture,
Cellular Localization	Secreted, extracellular space, extracellular matrix
Post-translational Modifications	The precursor is cleaved by a furin endopeptidase,

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