

A15121

Leader in Biomolecular Solutions for Life Science



ADAMTS4 Rabbit pAb

Catalog No.: A15121

Basic Information

Observed MW

Calculated MW
90kDa

Category
Polyclonal Antibody

Applications
ELISA

Cross-Reactivity
Human

Background

This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) protein family. Members of this 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 enzyme encoded by this gene lacks a C-terminal TS motif. The encoded preproprotein is proteolytically processed to generate the mature protease. This protease is responsible for the degradation of aggrecan, a major proteoglycan of cartilage, and brevican, a brain-specific extracellular matrix protein. The expression of this gene is upregulated in arthritic disease and this may contribute to disease progression through the degradation of aggrecan. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed.

Recommended Dilutions

Immunogen Information

Gene ID	Swiss Prot
9507	075173

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 52-315 of human ADAMTS4 (NP_005090.3).

Synonyms
ADMP-1; ADAMTS-2; ADAMTS-4; ADAMTS4

Contact

 | www.abclonal.com

Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.