

Product datasheet for **AP14086PU-N**

ADAMTS4 (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blotting: 1/50 - 1/100.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 705-736 from the C-terminal region of human ADAMTS4.
Specificity:	This antibody reacts to ADAMTS4.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Aff - Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	ADAM metallopeptidase with thrombospondin type 1 motif 4
Database Link:	Entrez Gene 9507 Human O75173



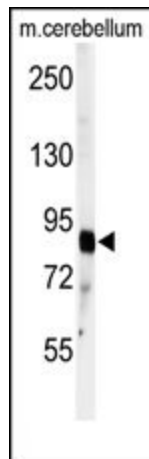
[View online »](#)

Background:

ADAMTS4 is 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 enzyme lacks a C-terminal TS motif. It is responsible for the degradation of aggrecan, a major proteoglycan of cartilage, and brevican, a brain-specific extracellular matrix protein. The cleavage of aggrecan and brevican suggests key roles of this enzyme in arthritic disease and in the central nervous system, potentially, in the progression of glioma.

Synonyms:

ADAMTS-4, ADAM-TS4, Aggrecanase-1, ADMP1, ADMP-1, KIAA0688

Product images:

Western blot analysis of anti-ADAMTS4 Antibody (C-term) in mouse cerebellum tissue lysates (35ug/lane). ADAMTS4 (arrow) was detected using the purified Pab.