

## Product datasheet for **TA332540**

### ADAMTS4 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, WB
Recommended Dilution:	WB 1:500 - 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human ADAMTS4
Formulation:	Store at -20°C (regular) and -80°C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	837
Gene Name:	ADAM metallopeptidase with thrombospondin type 1 motif 4
Database Link:	<a href="#">NP_005090</a> <a href="#">Entrez Gene 66015 Rat</a> <a href="#">Entrez Gene 240913 Mouse</a> <a href="#">Entrez Gene 9507 Human</a> <a href="#">O75173</a>



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**Background:**

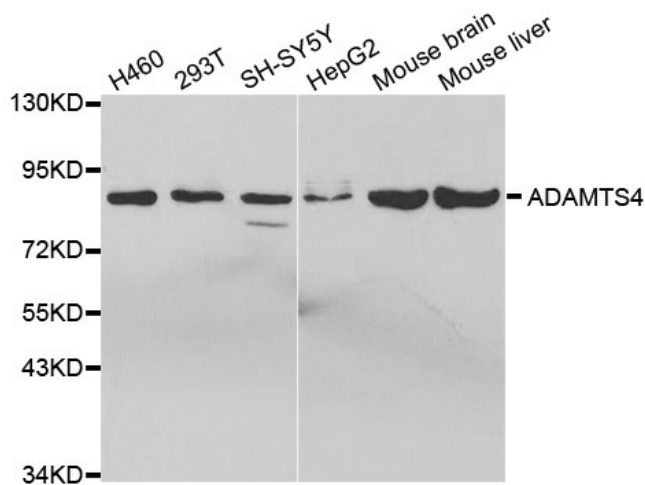
This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) protein family. Members of the family share several distinct protein modules, including a propeptide region, a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. Individual members of this family differ in the number of C-terminal TS motifs, and some have unique C-terminal domains. The enzyme encoded by this gene 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-2; ADAMTS-4; ADMP-1

**Protein Families:**

Druggable Genome, Protease, Secreted Protein, Transmembrane

**Product images:**

Western blot analysis of extracts of various cell lines, using ADAMTS4 antibody.