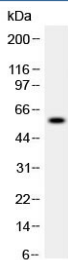


ADAMTS4 Antibody (R32650)

Catalog No.	Formulation	Size
R32650	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	O75173
Applications	Western Blot : 0.5-1ug/ml ELISA : 0.1-0.5ug/ml (human protein tested; request BSA-free format for coating)
Limitations	This ADAMTS4 antibody is available for research use only.



Western blot testing of human recombinant ADAMTS4 partial protein (0.5ng/lane) with ADAMTS4 antibody at 0.5ug/ml. Predicted molecular weight of the full-length protein ~90 kDa.

Description

ADAMTS4, A disintegrin and metalloproteinase with thrombospondin motifs 4, is an enzyme that in humans is encoded by the ADAMTS4 gene. ADAMTS4 is a member of the large ADAMTS family of zinc-dependent proteases. The human ADAMTS4 gene is mapped to chromosome 1 by somatic cell hybrid analysis. 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.

Application Notes

Optimal dilution of the ADAMTS4 antibody should be determined by the researcher.

Immunogen

Amino acids 813-837 (TPQDWLHRRRAQILEILRRRPWAGRK) from the human protein were used as the immunogen for the ADAMTS4 antibody.

Storage

After reconstitution, the ADAMTS4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.