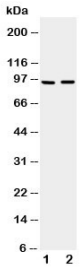
ADAMTS4 Antibody (R30551)

Catalog No.	Formulation	Size
R30551	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	O75173
Applications	Western blot: 0.5-1ug/ml
Limitations	This ADAMTS4 antibody is available for research use only.



Western blot testing of ADAMTS4 antibody and Lane 1: rat brain; 2: mouse brain tissue lysate

Description

'A disintegrin and metalloproteinase with thrombospondin motifs 4' is an enzyme that in humans is encoded by the ADAMTS4 gene. It 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

The stated application concentrations are suggested starting amounts. Titration of the ADAMTS4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human ADAMTS4 (RRAQILEILRRRPWAGRK) was used as the immunogen for this 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.

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