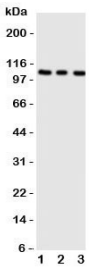
ADAMTS1 Antibody (R31182)

Catalog No.	Formulation	Size
R31182	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
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	P97857
Applications	Western Blot : 0.5-1ug/ml
Limitations	This ADAMTS1 antibody is available for research use only.



Western blot testing of ADAMTS1 antibody; Lane 1: rat liver; 2: (r) heart; 3: (r) brain tissue lysate. Predicted molecular weight 84~120 kDa depending on glycosylation and processing.

Description

A Disintegrin-Like and Metalloproteinase with Thrombospondin Type 1 Motif, 1, also known as METH1, is an enzyme that in humans is encoded by the ADAMTS1 gene. ADAMTS is a family of proteins believed to be anchored to the extracellular matrix (ECM) through interactions with aggregan or other matrix components by one or more thrombospondin type 1 motifs. Scott (2000) mapped the gene to 21q21.2 based on sequence similarity between the ADAMTS1 sequence and a chromosome 21q21.2 clone. Kuno et al.(1997) found that mouse Adamts1 expression could be induced in vitro in colon adenocarcinoma cells by stimulation with the inflammatory cytokine interleukin 1-alpha, or in vivo in kidney and heart by intravenous administration of lipopolysaccharide. Vazquez et al.(1999) determined that ADAMTS1 disrupts angiogenesis in vivo and in vitro more efficiently than ADAMTS8, THBS1, or endostatin.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the ADAMTS1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 956-968 (KHYIDFCTLTQCS-mouse) were used as the immunogen for this ADAMTS1 antibody.

Storage

After reconstitution, the ADAMTS1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.