

Datasheet for ABIN755182

anti-ADAMTS4 antibody (AA 501-839) (HRP)



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Overview

Quantity:	100 µL
Target:	ADAMTS4
Binding Specificity:	AA 501-839
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADAMTS4 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ADAMTS4
Isotype:	IgG
Specificity:	Due to the similarity this protein to ADAMTS1, there is a chance that this antibody may have a cross-reactivity with this protein, based upon a 73 % sequence similarity in the epitope region.
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Cow,Sheep,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	ADAMTS4
Alternative Name:	ADAMTS4 (ADAMTS4 Products)
Background:	Synonyms: ADMP-1, ADAMTS-2, ADAMTS-4, A disintegrin and metalloproteinase with thrombospondin motifs 4, ADAM-TS 4, ADAM-TS4, Aggrecanase-1, ADAMTS4, KIAA0688, UNQ769/PRO1563 Background: Cleaves aggrecan, a cartilage proteoglycan, and may be involved in its turnover. May play an important role in the destruction of aggrecan in arthritic diseases. Could also be a critical factor in the exacerbation of neurodegeneration in Alzheimer disease. Cleaves aggrecan at the '392-Glu- Ala-393' site.
Gene ID:	9507
UniProt:	O75173

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date: 12 months