

Datasheet for ABIN3023337
anti-ADAMTS4 antibody (AA 52-315)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	ADAMTS4
Binding Specificity:	AA 52-315
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADAMTS4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 52-315 of human ADAMTS4 (NP_005090.3).
Sequence:	ASPLPREEEI VFPEKLNGSV LPGSGAPARL LCRLQAFGET LLELEQDSG VQVEGLTVQY LGQAPELLGG AEPGTYLTGT INGPESVAS LHWGGGALLG VLQYRGAEHL LQPLEGGTPN SAGGPGAHIL RRKSPASGQG PMCNVKAPLG SPSRPRRAK RFASLSRFVE TLVVADDKMA AFHGAGLKRY LLTVMAAAAK AFKHPSIRNP VSLVVTRLVI LGSGEEGPQV GPSAAQTLRS FCAWQRGLNT PEDSDPDHFD TAIL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

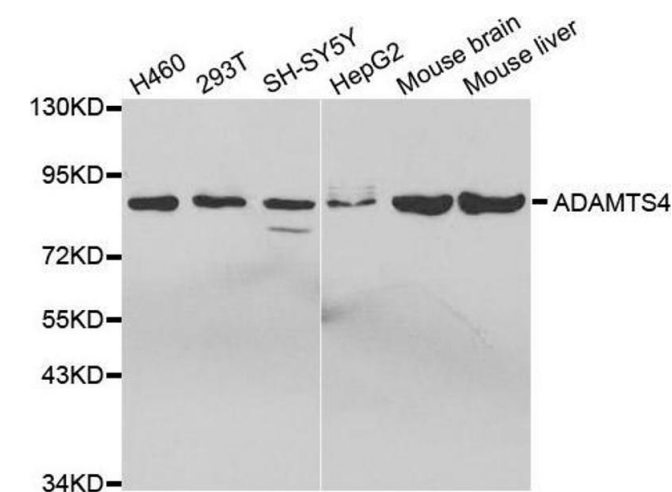
Target:	ADAMTS4
Alternative Name:	ADAMTS4 (ADAMTS4 Products)
Background:	<p>This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) protein family. Members of this family share several distinct protein modules, including a propeptide region, a metalloproteinase 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. The encoded preproprotein is proteolytically processed to generate the mature protease. This protease is responsible for the degradation of aggrecan, a major proteoglycan of cartilage, and brevican, a brain-specific extracellular matrix protein. The expression of this gene is upregulated in arthritic disease and this may contribute to disease progression through the degradation of aggrecan. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed.</p> <p>ADAMTS4,ADAMTS-2,ADAMTS-4,ADMP-1,Cancer,Invasion and Metastasis,Signal Transduction,Cell Biology & Developmental Biology,Cytoskeleton,Extracellular Matrix,ADAM Protein Family,MMPs,Ubiquitin,ADAMTS4</p>
Molecular Weight:	90 kDa
Gene ID:	9507
UniProt:	O75173

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

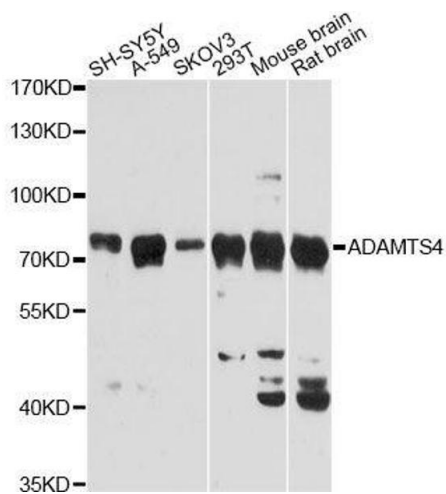
Handling

Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using ADAMTS4 antibody.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using ADAMTS4 Antibody.