Rabbit ADAMTS4 Polyclonal Antibody | anti-ADAMTS4 antibody

ADAMTS4 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA198940	**Rabbit**	**Tested Species Reactivity: HumanPredicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit**	**Western Blot, Immunohistochemistry**

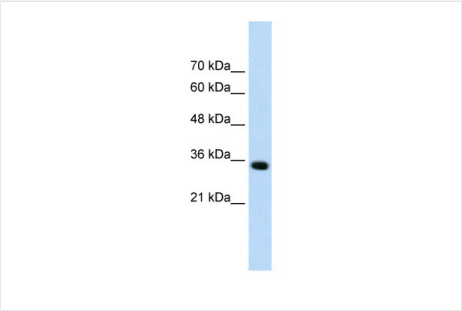
PRODUCT SYNONYMS

ADAMTS4; Polyclonal Antibody; ADAMTS4 antibody - N-terminal region; anti-ADAMTS4 antibody

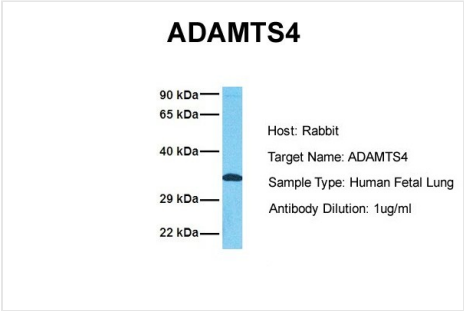
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5 mg/ml (varies by lot)
Sequence	Syntheticp eptideloca tedwithint hefollowin gregion:GV QVEGLTVQYL GQAPELLGGA EPGTYLTGTI NGDPESVASL HWDGGALL
Sequence Length	339
Applicable Applications for anti-ADAMTS4 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Protein Size (# AA)	339 amino acids
Homology	Cow: 100%; Dog: 93%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 93%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human ADAMTS4
Protein Interactions	YTHDC1; ZBTB16; ELAVL1; UBC; MT2A; SRPX2; ADAMTS4; BCAN; SERPINA1; ACAN; HP; FURIN; FN1; SERPINA3;
Blocking Peptide	For anti-ADAMTS4 antibody is Catalog #
Preparation and Storage	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

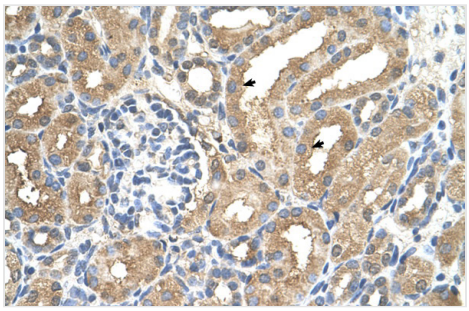
IMAGES



WB (Western Blot)
WB Suggested Anti-ADAMTS4 Antibody Titration: 0.2-1 ug/mlPositive Control: HepG2 cell lysate



WB (Western Blot)
Host: RabbitTarget Name: ADAMTS4Sample Tissue: Human Fetal LungAntibody Dilution: 1.0ug/ml



IHC (Immunohistochemistry)
Rabbit Anti-ADAMTS4 AntibodyParaffin Embedded Tissue: Human KidneyCellular Data: Epithelial cells of renal tubuleAntibody Concentration: 4.0-8.0 ug/mlMagnification: 400X

ADDITIONAL INFORMATION

Related Product Information for anti-ADAMTS4 antibody	This is a rabbit polyclonal antibody against ADAMTS4. It was validated on Western Blot and immunohistochemistry Target Description: ADAMTS4 is a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) protein family. Members of the 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. ADAMTS4 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.
Product Categories/Family for anti-ADAMTS4 antibody	Polyclonal; Disease Related; Tissue Specific & Cell Marker; Immunohistochemistry

NCBI AND UNIPROT INFORMATION

NCBI GI #	21410063
NCBI GeneID	9507
UniProt Accession #	Q8NEK2; O75173
Molecular Weight	37kDa
NCBI Official Synonym Full Names	ADAM metallopeptidase with thrombospondin type 1 motif 4
NCBI Official Symbol	ADAMTS4
NCBI Official Synonym Symbols	ADMP-1; ADAMTS-2; ADAMTS-4
NCBI Protein Information	A disintegrin and metalloproteinase with thrombospondin motifs 4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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