

Rabbit ADAMTS4 Polyclonal Antibody | anti-ADAMTS4 antibody

Rabbit Polyclonal to Human ADAMTS4

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50817	Rabbit	Gibbon, Dog, Horse, Human, Orangutan Predicted Reactivity: Monkey, Bat, Bovine (at least 90% immunogen sequence identity)	Immunohistochemistry

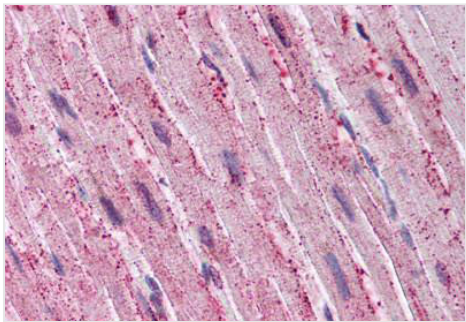
PRODUCT SYNONYMS

ADAMTS4; Polyclonal Antibody; Rabbit Polyclonal to Human ADAMTS4; Anti-ADAMTS4 Antibody (C-Terminus) IHC-plus; ADAMTS-2; ADAMTS-4; ADAM-TS 4; ADAM-TS4; ADMP-1; Aggrecanase-1; KIAA0688; Human ADAMTS4; anti-ADAMTS4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Gibbon, Dog, Horse, Human, Orangutan Predicted Reactivity: Monkey, Bat, Bovine (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human ADAMTS4. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	837
Applicable Applications for anti-ADAMTS4 antibody	IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 17 amino acid peptide from C-terminus of human ADAMTS4. Percent identity with other species by BLAST analysis: Human, Orangutan, Gibbon, Dog, Horse (100%); Marmoset, Bat, Bovine, Elephant, Panda (94%); Monkey, Pig, Opossum (88%).
Immunogen Type	Synthetic peptide
Immunogen	ADAMTS4 antibody was raised against synthetic 17 amino acid peptide from C-terminus of human ADAMTS4. Percent identity with other species by BLAST analysis: Human, Orangutan, Gibbon, Dog, Horse (100%); Marmoset, Bat, Bovine, Elephant, Panda (94%); Monkey, Pig, Opossum (88%); Mouse, Rat, Hamster (82%).
Antigen Modification	C-Terminus
Preparation and Storage	Store at 4 degree C for short term applications. For long term storage, aliquot and store at -20 degree C.

IMAGES



IHC (Immunohistochemistry)
Anti-ADAMTS4 antibody IHC of human heart. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-ADAMTS4 antibody	ADAMTS4, also known as aggrecanase-1, is a Metallopeptidase M12B type protease that is responsible for degradation of the articular cartilage protein aggrecan and the brain extracellular matrix proteoglycan brevican. The ADAMTS4 protein contains a signal sequence, a propeptide domain, a catalytic domain, a disintegrin-like motif, and a C-terminal domain with a thrombospondin (TSP) type 1 motif.
Product Categories/Family for anti-ADAMTS4 antibody	Family: Protease; Subfamily: Metallopeptidase M12B

NCBI AND UNIPROT INFORMATION

NCBI GI #	157427675
NCBI GeneID	9507
NCBI Accession #	NP_005090.3
NCBI GenBank Nucleotide #	NM_005099.4
UniProt Accession #	O75173; Q2HYD0; Q5VTW2; Q6P4Q8; Q6UWA8; Q9UN83
Molecular Weight	83,030 Da
NCBI Official Full Name	A disintegrin and metalloproteinase with thrombospondin motifs 4 preproprotein
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; ADAM-TS4; ADAM-TS 4; aggrecanase-1; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 4
UniProt Protein Name	A disintegrin and metalloproteinase with thrombospondin motifs 4
UniProt Gene Name	ADAMTS4
UniProt Synonym Gene Names	KIAA0688; ADAM-TS 4; ADAM-TS4; ADAMTS-4
UniProt Entry Name	ATS4_HUMAN

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.