

Rabbit ADAMTS5 Polyclonal Antibody | anti-ADAMTS5 antibody

Rabbit Polyclonal to Human ADAMTS5

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52273	Rabbit	Bat, Gibbon, Dog, Gorilla, Hamster, Horse, Human, Monkey, Mouse, Rat Predicted Reactivity: Pig (at least 90% immunogen sequence identity)	Immunohistochemistry

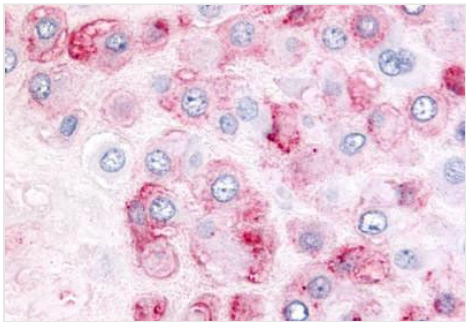
PRODUCT SYNONYMS

ADAMTS5; Polyclonal Antibody; Rabbit Polyclonal to Human ADAMTS5; Anti-ADAMTS5 Antibody (Metalloprotease Domain) IHC-plus; Aggrecanase-2; ADAM-TS 11; ADAM-TS5; ADAMTS-11; ADAMTS11; ADAM-TS 5; ADAMTS-5; ADMP-2; ADMP2; Human ADAMTS5; anti-ADAMTS5 antibody

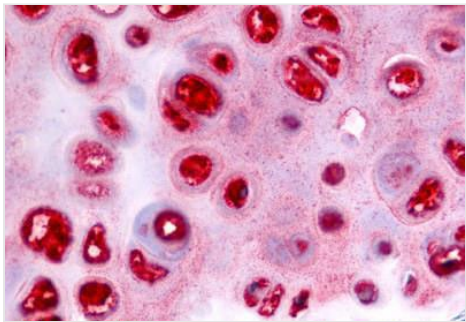
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Bat, Gibbon, Dog, Gorilla, Hamster, Horse, Human, Monkey, Mouse, Rat Predicted Reactivity: Pig (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human ADAMTS5. 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	930
Applicable Applications for anti-ADAMTS5 antibody	IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 18 amino acid peptide from Metalloprotease domain of human ADAMTS5. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Hamster, Elephant, Panda, Dog, Bat, Horse (100%); Pig (94%).
Immunogen Type	Synthetic peptide
Immunogen	ADAMTS5 antibody was raised against synthetic 18 amino acid peptide from Metalloprotease domain of human ADAMTS5. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Hamster, Elephant, Panda, Dog, Bat, Horse (100%); Pig (94%); Bovine, Opossum, Xenopus (89%); Lizard (83%).
Antigen Modification	Metalloprotease Domain
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C

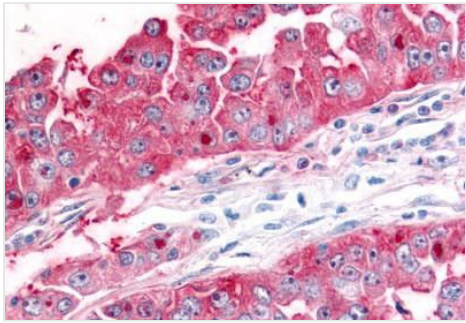
IMAGES



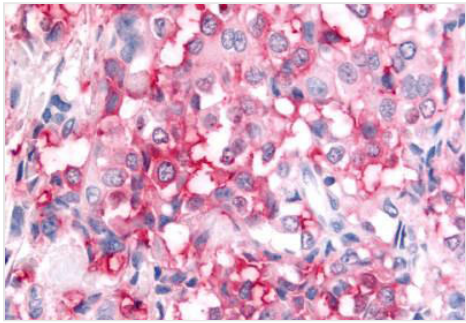
IHC (Immunohistochemistry)
Anti-ADAMTS5 antibody IHC of human placenta. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-ADAMTS5 antibody IHC of human cartilage. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-ADAMTS5 antibody IHC of human Lung, Non-Small Cell Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-ADAMTS5 antibody IHC of human Breast, Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-ADAMTS5 antibody	ADAMTS5, also known as aggrecanase-2, is a Metallopeptidase M12B type protease that is responsible for degradation of the articular cartilage protein aggrecan. The protein contains a signal sequence, a prodomain with both a potential cysteine switch and a furin cleavage site, a metalloproteinase domain with a conserved zinc-binding motif and a 'met turn,' a disintegrin-like domain, and a spacer region between a thrombospondin type 1 motif and thrombospondin submotif.
Product Categories/Family for anti-ADAMTS5 antibody	Family: Protease ; Subfamily: Metallopeptidase M12B

NCBI AND UNIPROT INFORMATION

NCBI GI #	195539372
NCBI GeneID	11096
NCBI Accession #	NP_008969.2
NCBI GenBank Nucleotide #	NM_007038.3
UniProt Accession #	Q9UNA0 ; Q52LV4 ; Q9UKP2
Molecular Weight	101,718 Da
NCBI Official Full Name	A disintegrin and metalloproteinase with thrombospondin motifs 5 preproprotein
NCBI Official Synonym Full Names	ADAM metalloproteinase with thrombospondin type 1 motif, 5
NCBI Official Symbol	ADAMTS5
NCBI Official Synonym Symbols	ADMP-2; ADAM-TS5; ADAMTS-5; ADAMTS11; ADAM-TS 5; ADAMTS-11; ADAM-TS 11

NCBI Protein Information	A disintegrin and metalloproteinase with thrombospondin motifs 5; aggrecanase-2; a disintegrin and metalloproteinase with thrombospondin motifs 11; a disintegrin-like and metalloprotease (repolysin type) with thrombospondin type 1 motif, 5 (aggrecanase-2)
UniProt Protein Name	A disintegrin and metalloproteinase with thrombospondin motifs 5
UniProt Gene Name	ADAMTS5
UniProt Synonym Gene Names	ADAMTS11; ADMP2; ADAM-TS 5; ADAM-TS5; ADAMTS-5; ADAM-TS 11; ADAMTS-11
UniProt Entry Name	ATS5_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/adamts5-antibody-immunohistochemistry-elisa/52273>