

Rabbit anti-Human ADAMTS2 Polyclonal Antibody | anti-ADAMTS2 antibody

ADAMTS2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327828	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

ADAMTS2; Polyclonal Antibody; ADAMTS2 Antibody; A disintegrin and metalloproteinase with thrombospondin motifs 2; A disintegrin like and metalloprotease (repolyisin type) with thrombospondin type 1 motif 2; ADAM metallopeptidase with thrombospondin type 1 motif 2; ADAM TS 2; ADAM TS2; ADAM-TS 2; ADAM-TS2; ADAMTS 3; ADAMTS-2; ATS2_HUMAN; EC 3.4.24.14; EDS VIIIB; EDS VIIC; hPCPNI; NPI; PC I NP; PC I-NP; PCINP; PCPNI; pNPI; Procollagen I N proteinase; Procollagen I N-proteinase; Procollagen I/II amino propeptide processing enzyme; Procollagen I/II amino propeptide-processing enzyme; Procollagen N endopeptidase; Procollagen N-endopeptidase; anti-ADAMTS2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	ADAMTS2 antibody detects endogenous levels of total ADAMTS2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1211
Applicable Applications for anti-ADAMTS2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ADAMTS2
Subcellular Location	Secreted > Extracellular Space > Extracellular Matrix.
Tissue Specificity	Expressed at high level in skin, bone, tendon and aorta and at low levels in thymus and brain.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (90%), Bovine (100%), Horse (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA327828 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of ADAMTS2 using COLO205 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-ADAMTS2 antibody	Function: Cleaves the propeptides of type I and II collagen prior to fibril assembly. Does not act on type III collagen. May also play a role in development that is independent of its role in collagen biosynthesis. Subunit Structure: May belong to a multimeric complex. Binds specifically to collagen type XIV (By similarity). Post-translational Modifications: The precursor is cleaved by a furin endopeptidase. Glycosylated. Can be O-fucosylated by POFUT2 on a serine or a threonine residue found within the consensus sequence C1-X2-(S/T)-C2-G of the TSP type-1 repeat domains where C1 and C2 are the first and second cysteine residue of the repeat, respectively. Fucosylated repeats can then be further glycosylated by the addition of a beta-1, 3-glucose residue by the glucosyltransferase, B3GALTL. Fucosylation mediates the efficient secretion of ADAMTS family members. Also can be C-glycosylated with one or two mannose molecules on tryptophan residues within the consensus sequence W-X-X-W of the TPRs, and N-glycosylated. These other glycosylations can also facilitate secretion (By similarity). Similarity: The spacer domain and the TSP type-1 domains are important for a tight interaction with the extracellular matrix.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	110825974
NCBI GeneID	9509
NCBI Accession #	NP_055059.2
NCBI GenBank Nucleotide #	NM_014244.4
UniProt Accession #	O95450
Molecular Weight	Observed: 135 kDa Predicted: 135 kDa
NCBI Official Full Name	A disintegrin and metalloproteinase with thrombospondin motifs 2 isoform 1 preproprotein
NCBI Official Synonym Full Names	ADAM metallopeptidase with thrombospondin type 1 motif 2
NCBI Official Symbol	ADAMTS2
NCBI Official Synonym Symbols	NPI; PNPI; PCINP; PCPNI; PCI-NP; PC I-NP; ADAM-TS2; ADAMTS-2; ADAMTS-3; EDSDERMS
NCBI Protein Information	A disintegrin and metalloproteinase with thrombospondin motifs 2
UniProt Protein Name	A disintegrin and metalloproteinase with thrombospondin motifs 2
UniProt Gene Name	ADAMTS2
UniProt Synonym Gene Names	PCINP; PCPNI; ADAM-TS 2; ADAM-TS2; ADAMTS-2; PC I-NP; pNPI

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.