

Rabbit ADAMTS14 Polyclonal Antibody | anti-ADAMTS14 antibody

ADAMTS14 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327826	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ADAMTS14; Polyclonal Antibody; ADAMTS14 Antibody; A disintegrin and metalloproteinase with thrombospondin motifs 14; ADAM TS14; ADAMTS 14; EC 3.4.24; FLJ32820; anti-ADAMTS14 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ADAMTS14 antibody detects endogenous levels of total ADAMTS14
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	1223
Applicable Applications for anti-ADAMTS14 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ADAMTS14
Subcellular Location	Secreted
Tissue Specificity	Expressed in retina and at low levels in brain, lung and placenta. High expression in fetal tissues.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of ADAMTS14 using HuvEc whole cell lysates



IHC (Immunohistochemistry)

AAA327826 at 1/100 staining Human lung cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-ADAMTS14 antibody	Function: Has a aminoprocollagen type I activity processing activity in the absence of ADAMTS2. Seems to be synthesized as a latent enzyme that requires activation to display aminoprocollagen peptidase activity. 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 #	21265052
NCBI GeneID	140766
NCBI Accession #	NP_542453.2
NCBI GenBank Nucleotide #	NM_080722.4
UniProt Accession #	Q8WXS8; Q5T4G0; Q5T4G1; Q8TE55; Q8TEY8
Molecular Weight	Observed: 134 kDa Predicted: 134 kDa
NCBI Official Full Name	A disintegrin and metalloproteinase with thrombospondin motifs 14 isoform 2 preproprotein
NCBI Official Synonym Full Names	ADAM metallopeptidase with thrombospondin type 1 motif 14
NCBI Official Symbol	ADAMTS14
NCBI Protein Information	A disintegrin and metalloproteinase with thrombospondin motifs 14
UniProt Protein Name	A disintegrin and metalloproteinase with thrombospondin motifs 14
UniProt Gene Name	ADAMTS14
UniProt Synonym Gene Names	ADAM-TS 14; ADAM-TS14; ADAMTS-14

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://stage.aaabiotech.com/polyclonal/adamts14-antibody-immunohistochemistry-western-blot-elisa/327826>