

Rabbit ADAMTS5 Polyclonal Antibody | anti-ADAMTS5 antibody

ADAMTS5

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA268970	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

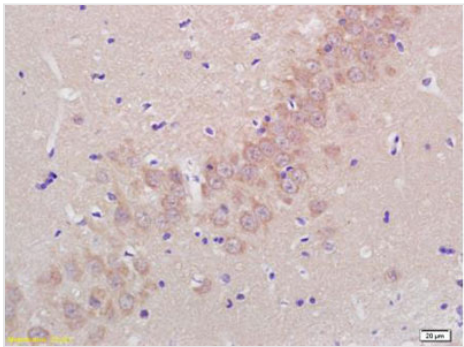
PRODUCT SYNONYMS

ADAMTS5; Polyclonal Antibody; A disintegrin and metalloproteinase with thrombospondin motifs 5; A disintegrin like and metalloprotease (reprolysin type) with thrombospondin type 1 motif 5; A Disintegrin And Metalloproteinase with ThromboSpondin motif-5; ADAM metallopeptidase with thrombospondin type 1 motif 5; ADAM TS 11; ADAM TS 5; ADAM TS5; ADAMTS 11; ADAMTS 5; ADAMTS11; ADMP 2; ADMP2; Aggrecanase 2; aggrecanase-2; FLJ36738; Implantin; ThromboSpondin motif-5; anti-ADAMTS5 antibody

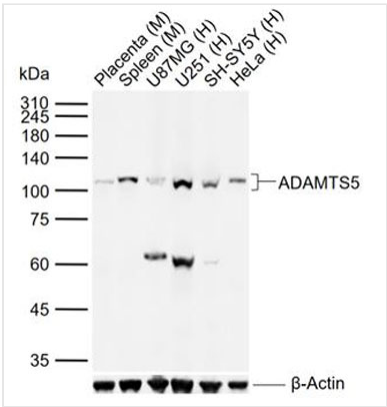
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purified by Protein A
Form/Format	0.01M TBS (pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Applicable Applications for anti-ADAMTS5 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH conjugated synthetic peptide derived from human Aggrecan 2 511-610/930
Positive Control	Expressed at low level in placenta primarily but also detected in heart and brain, cervix,uterus, bladder, esophagus, rib cartilage, chondroblastoma, fibrous tissue and a joint capsule from an arthritic patient.
Subcellular Location	Secreted, extracellular space, extracellular matrix.
Preparation and Storage	Store at -20 degree C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20 degree C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 degree C.

IMAGES



IHC (Immunohistochemistry)
Tissue: rat brain tissue; 4% Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum) at 37 degrees C for 20 min; Incubation: Anti-Aggrecanase-2/ADAMTS5 Polyclonal Antibody, Unconjugated 1:200, overnight at 4 degrees C, followed by conjugation to the secondary antibody and DAB staining.



WB (Western Blot)
Sample: Lane 1: Mouse Placenta tissue lysates. Lane 2: Mouse Spleen tissue lysates. Lane 3: Human U87MG cell lysates. Lane 4: Human U251 cell lysates. Lane 5: Human SH-SY5Y cell lysates. Lane 6: Human HeLa cell lysates. Primary: Anti- ADAMTS5 at 1/1000 dilution. Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution. Predicted band size: 102 kDa. Observed band size: 102 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ADAMTS5 antibody	Metalloproteinase that plays an important role in connective tissue organization, development, inflammation, arthritis, and cell migration. ADAMTS5 is an extracellular matrix (ECM) degrading enzyme that show proteolytic activity toward the hyalactan group of chondroitin sulfate proteoglycans (CSPGs) including aggrecan, versican, brevican and neurocan (PubMed:16133547, PubMed:18992360). Cleavage within the hyalactans occurs at Glu-Xaa recognition motifs. Plays a role in embryonic development, including limb and cardiac morphogenesis, and skeletal muscle development through its versican remodeling properties. Participates in development of brown adipose tissue and browning of white adipose tissue. Plays an important role for T-lymphocyte migration from draining lymph nodes following viral infection.
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NCBI AND UNIPROT INFORMATION

UniProt Accession #	Q9UNA0
Molecular Weight	102 kDa

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/adamts5-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/268970>