

Rabbit anti-Human, Rat ADAMTS9 Polyclonal Antibody | anti-ADAMTS9 antibody

Anti-ADAMTS9 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126395	Rabbit	Human, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

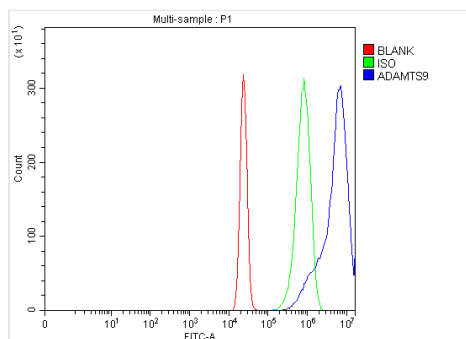
PRODUCT SYNONYMS

ADAMTS9; Polyclonal Antibody; Anti-ADAMTS9 Antibody Picoband; anti-ADAMTS9 antibody

PRODUCT SPECIFICATIONS

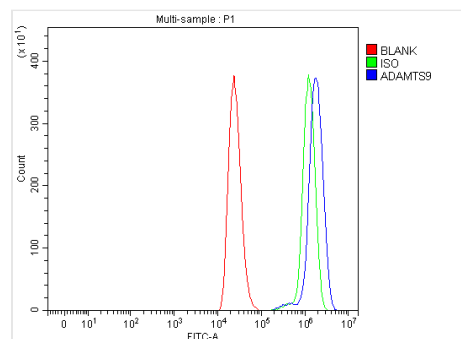
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-ADAMTS9 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human ADAMTS9 recombinant protein (Position: F288-H1853).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



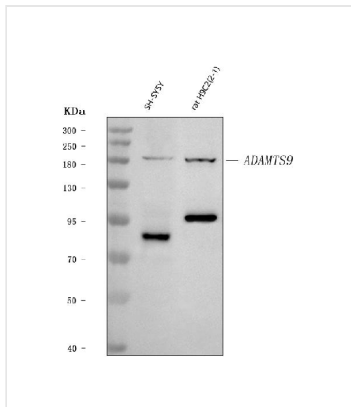
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of U2OS cells using anti-ADAMTS9 antibody (AAA126395). Overlay histogram showing U2OS cells stained with AAA126395 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-ADAMTS9 Antibody (AAA126395, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of THP-1 cells using anti-ADAMTS9 antibody (AAA126395). Overlay histogram showing THP-1 cells stained with AAA126395 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-ADAMTS9 Antibody (AAA126395, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of ADAMTS9 using anti-ADAMTS9 antibody (AAA126395). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human SH-SY5Y whole cell lysates, Lane 2: rat H9C2(2-1) whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-ADAMTS9 antigen affinity purified polyclonal antibody (#AAA126395) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for ADAMTS9 at approximately 216 kDa. The expected band size for ADAMTS9 is at 216 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ADAMTS9 antibody	A disintegrin and metalloproteinase with thrombospondin motifs 9 is an enzyme that in humans is encoded by the ADAMTS9 gene. This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) protein family. Members of the family share several distinct protein modules, including a propeptide region, a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. Individual members of this family differ in the number of C-terminal TS motifs, and some have unique C-terminal domains. Members of the ADAMTS family have been implicated in the cleavage of proteoglycans, the control of organ shape during development, and the inhibition of angiogenesis. This gene is localized to chromosome 3p14.3-p14.2, an area known to be lost in hereditary renal tumors. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar proteolytic processing.
Product Categories/Family for anti-ADAMTS9 antibody	Primary Antibodies , Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	974005284
NCBI GeneID	56999
NCBI Accession #	NP_001305710.1
NCBI GenBank Nucleotide #	NM_001318781.1
UniProt Accession #	Q9P2N4 ; Q9NR29 ; A1L4L0 ; B7ZVX9 ; B9ZVN0
Molecular Weight	213,420 Da
NCBI Official Full Name	A disintegrin and metalloproteinase with thrombospondin motifs 9 isoform 4
NCBI Official Synonym Full Names	ADAM metalloproteinase with thrombospondin type 1 motif 9
NCBI Official Symbol	ADAMTS9
NCBI Protein Information	A disintegrin and metalloproteinase with thrombospondin motifs 9

UniProt Protein Name	A disintegrin and metalloproteinase with thrombospondin motifs 9
UniProt Gene Name	ADAMTS9
UniProt Synonym Gene Names	KIAA1312; ADAM-TS 9; ADAM-TS9; ADAMTS-9

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/adamts9-antibody-flow-cytometry-western-blot-elisa/126395>