

## Rabbit anti-Human, Mouse ADAMTS19 Polyclonal Antibody | anti-ADAMTS19 antibody

ADAMTS19 Antibody

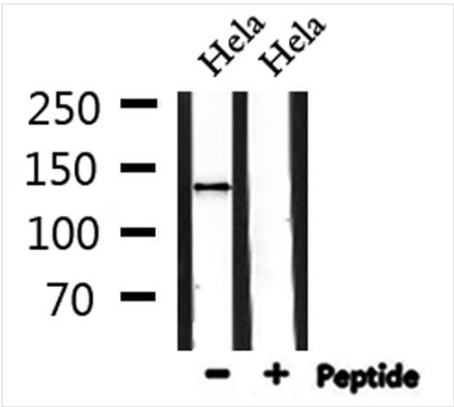
| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                                 |
|-----------|--------|--------------|--------------------------------------------------------------|
| AAA324420 | Rabbit | Human, Mouse | ELISA, Immunocytochemistry, Immunofluorescence, Western Blot |

### PRODUCT SYNONYMS

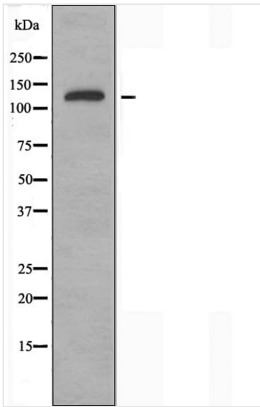
ADAMTS19; Polyclonal Antibody; ADAMTS19 Antibody; A disintegrin and metalloproteinase with thrombospondin motifs 19; A disintegrin like and metalloprotease (reprolysin type) with thrombospondin type 1 motif 19; A disintegrin-like and metalloproteinase with thrombospondin type 1 motif; 19; ADAM metalloproteinase with thrombospondin type 1 motif; ADAM TS 19; ADAM TS19; ADAMTS 19; ATS19; EC 3.4.24.-; FLJ16042; anti-ADAMTS19 antibody

### PRODUCT SPECIFICATIONS

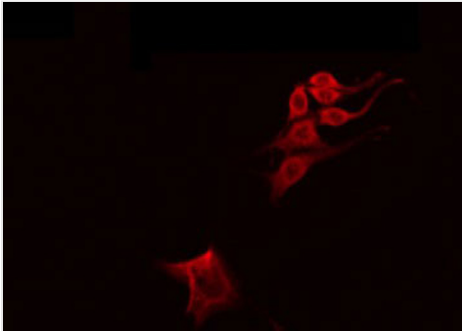
|                                                    |                                                                                                                          |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Host                                               | Rabbit                                                                                                                   |
| Reactivity                                         | Human, Mouse                                                                                                             |
| Clonality                                          | Polyclonal                                                                                                               |
| Isotype                                            | IgG                                                                                                                      |
| Specificity                                        | ADAMTS19 antibody detects endogenous levels of total ADAMTS19                                                            |
| Purity/Purification                                | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.                            |
| Form/Format                                        | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                            |
| Concentration                                      | 1mg/ml (varies by lot)                                                                                                   |
| Sequence Length                                    | 1213                                                                                                                     |
| Applicable Applications for anti-ADAMTS19 antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                                             |
| Immunogen                                          | A synthesized peptide                                                                                                    |
| Subcellular Location                               | Secreted                                                                                                                 |
| Tissue Specificity                                 | Expressed in fetal lung, but not in any adult tissues examined. Expression was detected in an osteosarcoma cDNA library. |
| Predicted Cross Reactivity                         | <b>Pig, Bovine, Horse, Sheep, Rabbit, Dog</b>                                                                            |
| Similarity                                         | Pig (100%), Bovine (91%), Horse (100%), Sheep (91%), Rabbit (91%), Dog (100%)                                            |
| Conjugation                                        | Unconjugated                                                                                                             |
| Preparation and Storage                            | Store at -20 degree C. Stable for 12 months from date of receipt.                                                        |



WB (Western Blot)  
Western blot analysis of extracts from HeLa, using ADAMTS19 Antibody.



WB (Western Blot)  
Western blot analysis of extracts from 293 using ADAMTS19 antibody.



IF (Immunofluorescence)  
AAA324420 staining 293 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.

ADDITIONAL INFORMATION

Related Product Information for anti-ADAMTS19 antibody

Function: Zn2+  
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 conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.

NCBI AND UNIPROT INFORMATION

|                           |             |
|---------------------------|-------------|
| NCBI GI #                 | 1040735422  |
| NCBI GeneID               | 171019      |
| NCBI Accession #          | NP_598377.4 |
| NCBI GenBank Nucleotide # | NM_133638.4 |
| UniProt Accession #       | Q8TE59      |

|                                         |                                                                   |
|-----------------------------------------|-------------------------------------------------------------------|
| <b>Molecular Weight</b>                 | Observed: 140 kD<br>Predicted: 135 kDa                            |
| <b>NCBI Official Full Name</b>          | A disintegrin and metalloproteinase with thrombospondin motifs 19 |
| <b>NCBI Official Synonym Full Names</b> | ADAM metallopeptidase with thrombospondin type 1 motif 19         |
| <b>NCBI Official Symbol</b>             | ADAMTS19                                                          |
| <b>NCBI Protein Information</b>         | A disintegrin and metalloproteinase with thrombospondin motifs 19 |
| <b>UniProt Protein Name</b>             | A disintegrin and metalloproteinase with thrombospondin motifs 19 |
| <b>UniProt Gene Name</b>                | <b>ADAMTS19</b>                                                   |
| <b>UniProt Synonym Gene Names</b>       | ADAM-TS 19; ADAM-TS19; ADAMTS-19                                  |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://www.aaabiotech.com/polyclonal/adamts19-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324420>