

# Anti-ADAMTS13 Picoband Antibody

Catalog # ABO11646

## Product Information

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| <b>Application</b>       | WB, E                                                                                                                                                               |
| <b>Primary Accession</b> | <a href="#">Q76LX8</a>                                                                                                                                              |
| <b>Host</b>              | Rabbit                                                                                                                                                              |
| <b>Reactivity</b>        | Human, Mouse, Rat                                                                                                                                                   |
| <b>Clonality</b>         | Polyclonal                                                                                                                                                          |
| <b>Format</b>            | Lyophilized                                                                                                                                                         |
| <b>Description</b>       | Rabbit IgG polyclonal antibody for A disintegrin and metalloproteinase with thrombospondin motifs 13(ADAMTS13) detection. Tested with WB, ELISA in Human;Mouse;Rat. |
| <b>Reconstitution</b>    | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                                                                                                |

## Additional Information

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| <b>Gene ID</b>                  | 11093                                                                                                                                                                                                    |
| <b>Other Names</b>              | A disintegrin and metalloproteinase with thrombospondin motifs 13, ADAM-TS 13, ADAM-TS13, ADAMTS-13, 3.4.24.87, von Willebrand factor-cleaving protease, vWF-CP, vWF-cleaving protease, ADAMTS13, C9orf8 |
| <b>Calculated MW</b>            | 153604                                                                                                                                                                                                   |
| <b>Application Details</b>      | ELISA , 0.1-0.5 $\mu$ g/ml, Human, -<br>Western blot, 0.1-0.5 $\mu$ g/ml, Human, Mouse, Rat                                                                                                              |
| <b>Subcellular Localization</b> | Secreted . Secretion enhanced by O-fucosylation of TSP type-1 repeats.                                                                                                                                   |
| <b>Tissue Specificity</b>       | Plasma. Expressed primarily in liver. .                                                                                                                                                                  |
| <b>Source</b>                   | Eukaryota                                                                                                                                                                                                |
| <b>Protein Name</b>             | A disintegrin and metalloproteinase with thrombospondin motifs 13                                                                                                                                        |
| <b>Contents</b>                 | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Na <sub>3</sub> N.                                                                                               |
| <b>Immunogen</b>                | E. coli-derived human ADAMTS13 recombinant protein (Position: A299-R488). Human ADAMTS13 shares 85.2% amino acid (aa) sequence identity with mouse ADAMTS13.                                             |
| <b>Purification</b>             | Immunogen affinity purified.                                                                                                                                                                             |
| <b>Cross Reactivity</b>         | No cross reactivity with other proteins                                                                                                                                                                  |

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| <b>Storage</b> | At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing. |
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## Protein Information

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|--------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>              | ADAMTS13                                                                                                             |
| <b>Synonyms</b>          | C9orf8                                                                                                               |
| <b>Function</b>          | Cleaves the vWF multimers in plasma into smaller forms thereby controlling vWF-mediated platelet thrombus formation. |
| <b>Cellular Location</b> | Secreted. Note=Secretion enhanced by O-fucosylation of TSP type-1 repeats                                            |
| <b>Tissue Location</b>   | Plasma. Expressed primarily in liver.                                                                                |

## Background

ADAMTS13 (a disintegrin and metalloproteinase with thrombospondin type 1 motif, member 13), also known as VWFCP, is a zinc-containing metalloprotease enzyme that cleaves von Willebrand factor (vWf), a large protein involved in blood clotting. It is secreted in blood and degrades large vWf multimers, decreasing their activity. This gene encodes a member of a family of proteins containing several distinct regions, including a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. This gene is mapped to 9q34.

## Images



Western blot analysis of ADAMTS13 expression in rat brain extract (lane 1), mouse liver extract (lane 2) and HEPG2 whole cell lysates (lane 3). ADAMTS13 at 154KD was detected using rabbit anti-ADAMTS13 Antigen Affinity purified polyclonal antibody (Catalog # ABO11646) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method.

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