abcam

## Product datasheet

# Anti-ADAMTS13 antibody ab71550

1 Abreviews 3 References

### Overview

| | |
|---|---|
| **Product name** | Anti-ADAMTS13 antibody |
| **Description** | Rabbit polyclonal to ADAMTS13 |
| **Host species** | Rabbit |
| **Specificity** | This antibody reacts specifically with human 154 kDa ADAMTS13 protein |
| **Tested applications** | **Suitable for:** IHC-P, WB |
| **Species reactivity** | **Reacts with:** Mouse<br>**Predicted to work with:** Human |
| **Immunogen** | Synthetic peptide derived from the N-terminal domain of ADAMTS13 protein. |
| **General notes** | The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.<br>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As |

### Properties

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|---|---|
| **Form** | Liquid |
| **Storage instructions** | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| **Storage buffer** | Constituent: Whole serum |
| **Purity** | Whole antiserum |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |

### Applications

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|---|---|
| **The Abpromise guarantee** | Our **Abpromise guarantee** covers the use of ab71550 in the following tested applications. |

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|---|---|---|
| **IHC-P** | | Use at an assay dependent concentration. |
| **WB** | ★★★★☆ **(1)** | Use at an assay dependent concentration. Predicted molecular weight: 154 kDa. |

## Target

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|---|---|
| **Function** | Cleaves the vWF multimers in plasma into smaller forms. |
| **Tissue specificity** | Plasma. Expressed primarily in liver. |
| **Involvement in disease** | Defects in ADAMTS13 are the cause of thrombotic thrombocytopenic purpura congenital (TTP) [MIM:274150]; also known as Upshaw-Schulman syndrome (USS). A hematologic disease characterized by hemolytic anemia with fragmentation of erythrocytes, thrombocytopenia, diffuse and non-focal neurologic findings, decreased renal function and fever. |
| **Sequence similarities** | Contains 2 CUB domains.<br>Contains 1 disintegrin domain.<br>Contains 1 peptidase M12B domain.<br>Contains 8 TSP type-1 domains. |
| **Domain** | The pro-domain is not required for folding or secretion and does not perform the common function of maintening enzyme latency.<br>The spacer domain is necessary to recognize and cleave vWF. The C-terminal TSP type-1 and CUB domains may modulate this interaction. |
| **Post-translational modifications** | May contain a C-mannosylation site and O-fucosylation sites in the TSP type-1 domains.<br>The precursor is processed by a furin endopeptidase which cleaves off the pro-domain. |
| **Cellular localization** | Secreted. |



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