


Anti-ADAMTS13 antibody ab28274

★★★★★ [1 Abreviews](#) [4 References](#) [1 Image](#)

Overview

Product name	Anti-ADAMTS13 antibody
Description	Rabbit polyclonal to ADAMTS13
Host species	Rabbit
Specificity	ab28274 recognises the metalloproteinase domain of ADAMTS13.
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide corresponding to Human ADAMTS13. (Peptide available as ab41249)
General notes	<p>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.</p> <p>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</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Constituent: PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab28274 in the following tested applications.

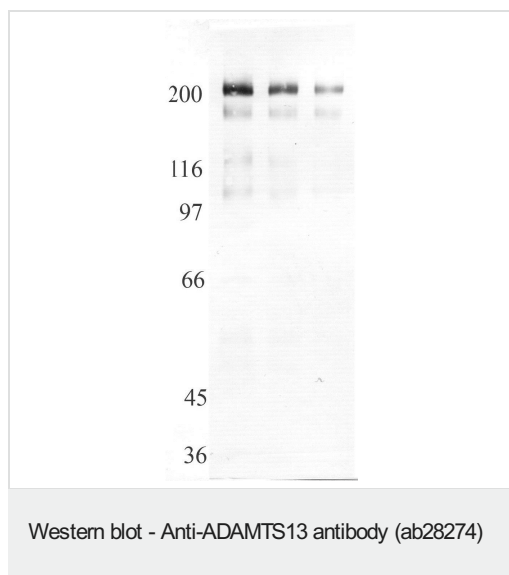
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/5000. Detects a band of approximately 190 kDa (predicted molecular weight: 154 kDa). 1/1000 when using colorimetric substrates such as BCIP/NBT - 1/5000, when using chemiluminescent substrates. Glycosylation and the abundance of cysteine residues gives ADAMTS 13 an apparent molecular weight of 190 kDa on reduced SDS PAGE gels. Several bands at 110-190 kDa are observed on Western blots, possibly

Target

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. Contains 1 disintegrin domain. Contains 1 peptidase M12B domain. 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 maintaining enzyme latency. 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. The precursor is processed by a furin endopeptidase which cleaves off the pro-domain.
Cellular localization	Secreted.

Images



All lanes : Anti-ADAMTS13 antibody (ab28274) at 1 µg/ml

Lane 1 : Recombinant Human ATS-13 at 0.08 µg

Lane 2 : Recombinant Human ATS-13 at 0.04 µg

Lane 3 : Recombinant Human ATS-13 at 0.02 µg

Predicted band size: 154 kDa

Glycosylation and the abundance of cysteine residues gives ADAMTS-13 an apparent molecular weight of about 190 kDa on reduced SDS PAGE gels.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors