


Product datasheet

Anti-ADAMTS17 antibody ab198881

2 Images

Overview

| | |
|----------------------------|---|
| Product name | Anti-ADAMTS17 antibody |
| Description | Rabbit polyclonal to ADAMTS17 |
| Host species | Rabbit |
| Tested applications | Suitable for: IHC-P, WB |
| Species reactivity | Reacts with: Mouse, Human Predicted to work with: Rat  |
| Immunogen | Synthetic peptide corresponding to Human ADAMTS17 (internal sequence). NP_620688. Database link: Q8TE56 |
| Positive control | NIH 3T3 cell lysate; Human thyroid cancer tissue. |
| 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: 7.4 Preservative: 0.05% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), 49% PBS |
| Purity | Immunogen affinity purified |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab198881 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 | | 1/50 - 1/200. |
| WB | | 1/500 - 1/2000. Predicted molecular weight: 121 kDa. |

Target**Tissue specificity**

Isoform 1 and isoform 2 are expressed at high levels in the lung, brain, whole eye and retina. Isoform 1 shows a weaker expression in the heart, kidney and skeletal muscle. Isoform 2 shows a weaker expression in the kidney, bone marrow and skeletal muscle. Isoform 1 and isoform 2 are expressed at high levels in the fetal heart, kidney, and whole eye, whereas a weak expression is seen in the fetal liver.

Involvement in disease

Defects in ADAMTS17 are the cause of Weill-Marchesani-like syndrome (WMLS) [MIM:613195]. It is a disorder characterized by many of the key features of Weill-Marchesani syndrome, including lenticular myopia, ectopia lentis, glaucoma, spherophakia and short stature. However, the characteristic brachydactyly or decreased joint flexibility of Weill-Marchesani syndrome are absent.

Sequence similarities

Contains 1 disintegrin domain.
Contains 1 peptidase M12B domain.
Contains 1 PLAC domain.
Contains 5 TSP type-1 domains.

Domain

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.

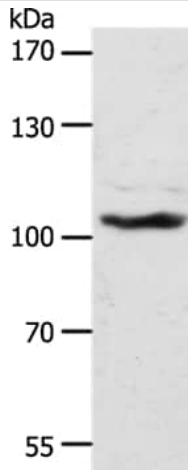
Post-translational modifications

The precursor is cleaved by a furin endopeptidase.

Cellular localization

Secreted > extracellular space > extracellular matrix.

Images



Western blot - Anti-ADAMTS17 antibody (ab198881)

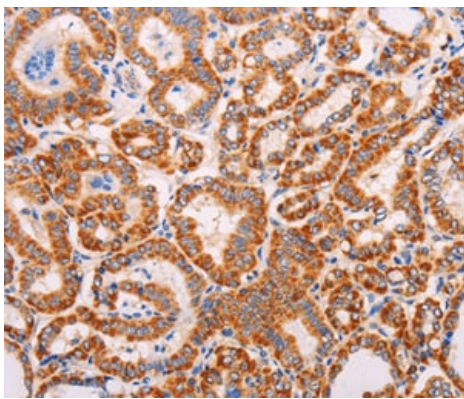
Anti-ADAMTS17 antibody (ab198881) at 1/1300 dilution + NIH 3T3 cell lysate at 40 µg

Developed using the ECL technique.

Predicted band size: 121 kDa

Exposure time: 1 hour

Gel: 8% SDS-PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ADAMTS17 antibody (ab198881)

Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue labeling ADAMTS17 with ab198881 at 1/60 dilution.

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

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