abcam

Product datasheet

Anti-ADAMTS19 antibody ab190073

2 Images

Overview

Product name	Anti-ADAMTS19 antibody
Description	Rabbit polyclonal to ADAMTS19
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P
Species reactivity	**Reacts with:** Mouse, Human
Immunogen	Synthetic peptide corresponding to Human ADAMTS19 (internal sequence) conjugated to Keyhole Limpet Haemocyanin (KLH). (CAC84565.1). Database link: Q8TE59
Positive control	Human placenta tissue; Mouse kidney tissue lysate.
General notes	Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.

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	Preservative: 0.09% Sodium azide Constituent: 99% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our Abpromise guarantee covers the use of **ab190073** in the following tested applications.

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

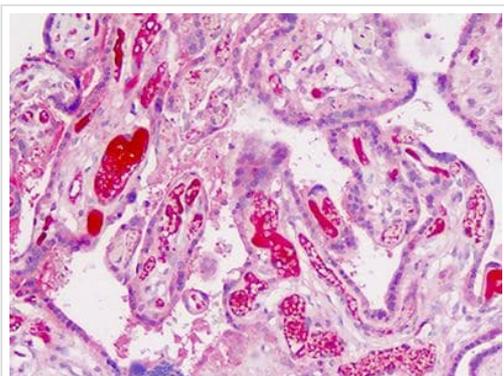| Application	Abreviews	Notes
WB		1/1000. Predicted molecular weight: 134 kDa.
IHC-P		Use a concentration of 10 µg/ml.

Target

| Relevance	ADAMTS19 is a member of the ADAMs family of proteinases with Thrombospondin motifs. ADAMTS19 is closest in homology to ADAMTS17, sharing 54% overall identity. Like ADAMTS17, ADAMTS19 has a PLAC (Protease and LACunin) domain at the carboxyterminal end. The PLAC domain contains a 6-cysteine conserved repeat, first described in lacunin, an ADAMTS-like protein. ADAMTS19 was first described in fetal human lung, and in adult endothelium and ovary. ADAMTS19 was also found to be overexpressed in osteoscarcoma cell lines, and in mouse female gonadal tissue. ADAMTS19, like ADAMTS17, has a total of 5 thrombospondin-like domains. The first TSP1 domain begins shortly after the catalytic and disintegrin domains. TSP1 domains 2-5 are separated from the first TSP domain by the cysteine-rich domain and a spacer domain. Like other members of the ADAMTS family, the TSP1 motifs are thought to bind ADAMTS19 to the ECM. The PLAC domain follows the final TSP1 repeat. ADAMTS19 contains a prohormone-convertase cleavage site; the predicted PC cleavage site is the RQKR277 sequence, in the 1207 and 798 amino acid forms. There are several paired basic sequences available in the different ADAMTS19 isoforms, and they may be cleaved by different PCs under different conditions. The catalytic site of ADAMTS19 is not typical of other metalloproteinase catalytic domains, which have an HExxHxxxxxH sequence. ADAMTS19 has HDxxHxxxxxH motif instead, and this may alter the catalytic function relative to the other MPs. Several different splice variants of ADAMTS19 have been reported. The longest human ADAMTS19 message encodes a protein of 1207 amino acids with predicted mass of 134.1 kDa and a pI of 8.55. A 798 amino acid version with predicted mass of 87.84 kDa and a pI of 6.05 ends shortly after the catalytic domain. Two shorter versions of 454 and 56 amino acids are reported, the shortest lacking the MP domain. The 454 amino acid version starts just before the MP domain, and ends before the TSP1 domains, and it is unclear if this form is proteolytically active. Little more is known about the functions, expression or distribution of the ADAMTS19 variants.
Cellular localization	Secreted

Images

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human placenta tissue labeling ADAMTS19 with ab190073 at 10 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ADAMTS19 antibody (ab190073)

Anti-ADAMTS19 antibody (ab190073) at 1/1000 dilution + Mouse kidney tissue lysate at 35 µg

Predicted band size: 134 kDa
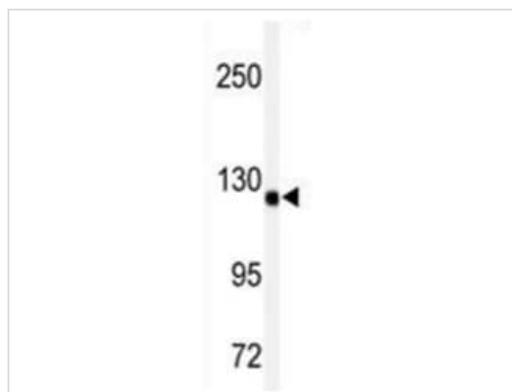
Western blot - Anti-ADAMTS19 antibody (ab190073)

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

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- Response to your inquiry within 24 hours

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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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