

## Product datasheet

# Anti-ADAMTS16 antibody ab45048

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

### Overview

<b>Product name</b>	Anti-ADAMTS16 antibody
<b>Description</b>	Rabbit polyclonal to ADAMTS16
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse
<b>Immunogen</b>	Synthetic peptide based on the propeptide region of human ADAMTS-16. Read Abcam's proprietary immunogen policy(Peptide available as <a href="#">ab45246</a> .)
<b>General notes</b>	<p>We have a range of domain specific antibodies for this target. For a full list please <a href="#">see all ADAMTS16 antibodies</a>.</p> <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&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>Storage buffer</b>	<p>pH: 7.40</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: PBS, 50% Glycerol, 2.9% Sodium chloride</p>
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab45048 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		

## Application notes

WB: 1/1000 - 1/5000. Predicted molecular weight: 136 kDa. The recommended starting concentration for Western blots is 1:1,000 when using colorimetric substrates such as BCIP/NBT, and 1:5,000 for chemiluminescent substrates. Dilution optimised using Chromogenic detection. Not yet tested in other applications. Optimal dilutions/concentrations should be determined by the end user.

## Target

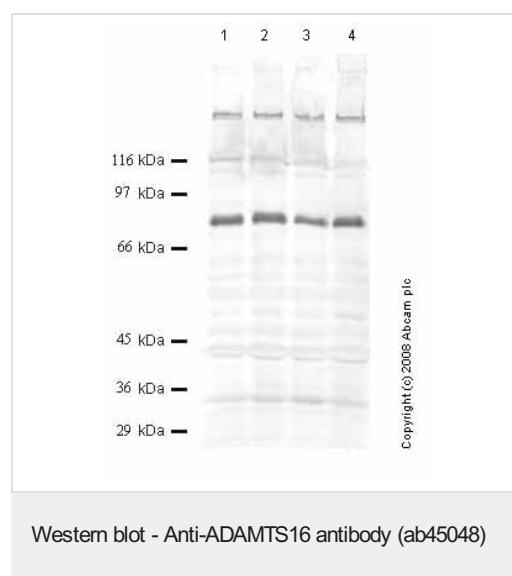
## Relevance

ADAMTS16 is a member of the ADAMs family of proteinases with 4 thrombospondin-like domains. ADAMTS16 is closest in homology to ADAMTS18, sharing 57% overall identity. ADAMTS16 is expressed in fetal human lung and kidney, and in adult brain and ovary as well as in osteoarthritic cartilage, prostate and breast tissue. ADAMTS16 contains a prohormone-convertase cleavage site; the predicted PC cleavage site is the RRRR87 sequence in the 1224 and 1072 amino acid forms. This catalytic site is typical of the metalloproteinase catalytic domains, with an HExxHxxxxH sequence. Several splice variants of ADAMTS16 have been reported.

## Cellular localization

Secreted

## Images



**All lanes :** Anti-ADAMTS16 antibody (ab45048) at 1/1000 dilution

**Lane 1 :** Whole cell lysate prepared from mouse lung mesenchymal MLg cells (treated with SF)

**Lane 2 :** Whole cell lysate prepared from mouse lung mesenchymal MLg cells (treated with TPA)

**Lane 3 :** Whole cell lysate prepared from mouse lung mesenchymal MLg cells (treated with IL1-alpha)

**Lane 4 :** Whole cell lysate prepared from mouse lung mesenchymal MLg cells (treated with RA)

**Predicted band size:** 136 kDa

Several different splice variants of ADAMTS-16 have been reported: 151.38 kDa, 136.2 kDa and 119.5 kDa. Two shorter versions of 62kDa and 56kDa are also reported, lacking the MP domain.

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

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- Replacement or refund for products not performing as stated on the datasheet
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- We provide support in Chinese, English, French, German, Japanese and Spanish
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