

# Anti-ADAMTS15 antibody ab45047

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### 概述

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产品名称	Anti-ADAMTS15抗体
描述	兔多克隆抗体to ADAMTS15
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Human
免疫原	Synthetic peptide based on the propeptide region of human ADAMTS-15 ADAMTS15.(Peptide available as <a href="#">ab45243</a> .)
常规说明	<p>We have a range of domain specific antibodies for this target. For a full list please <a href="#">see all ADAMTS15 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>

### 性能

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形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.40 Preservative: 0.05% Sodium azide Constituents: PBS, 50% Glycerol, 2.9% Sodium chloride
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

### 应用

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## The Abpromise guarantee

**Abpromise™** 承诺保证使用 ab45047 于以下的经测试应用

“应用说明”部分下显示的仅为推荐的起始稀释度；实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★ ★ ★ ★ ★ (1)	

### 应用说明

WB: 1/1000 - 1/5000. Predicted molecular weight: 103 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.

## 靶标

### 组织特异性

Expressed in fetal liver and kidney, but not in any of the adult tissues examined.

### 序列相似性

Contains 1 disintegrin domain.  
Contains 1 peptidase M12B domain.  
Contains 3 TSP type-1 domains.

### 结构域

The spacer domain and the TSP type-1 domains are important for a tight interaction with the extracellular matrix.  
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.

### 翻译后修饰

The precursor is cleaved by a furin endopeptidase.  
Glycosylated. Can be O-fucosylated by POFUT2 on a serine or a threonine residue found within the consensus sequence C1-X(2)-(S/T)-C2-G of the TSP type-1 repeat domains where C1 and C2 are the first and second cysteine residue of the repeat, respectively. Fucosylated repeats can then be further glycosylated by the addition of a beta-1,3-glucose residue by the glucosyltransferase, B3GALTL. Fucosylation mediates the efficient secretion of ADAMTS family members. Also can be C-glycosylated with one or two mannose molecules on tryptophan residues within the consensus sequence W-X-X-W of the TPRs, and N-glycosylated. These other glycosylations can also facilitate secretion.

### 细胞定位

Secreted > extracellular space > extracellular matrix.

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

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