

### Anti-ADAM15 antibody [EPR5619] ab124698

リコンビナント RabMAb

**4 References** [画像数 5](#)

#### 製品の概要

<b>製品名</b>	Anti-ADAM15 antibody [EPR5619]
<b>製品の詳細</b>	Rabbit monoclonal [EPR5619] to ADAM15
<b>由来種</b>	Rabbit
<b>アプリケーション</b>	<b>適用あり:</b> WB, IHC-P <b>適用なし:</b> Flow Cyt, ICC/IF or IP
<b>種交差性</b>	<b>交差種:</b> Human
<b>免疫原</b>	Synthetic peptide within Human ADAM15 aa 250-350 (extracellular). The exact sequence is proprietary. Database link: <a href="#">Q13444</a>
<b>ポジティブ・コントロール</b>	SW480 cell lysate; Human colon tissue.
<b>特記事項</b>	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .  Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

#### 製品の特性

<b>製品の状態</b>	Liquid
<b>保存方法</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Stable for 12 months at -20°C.
<b>解離定数 (K<sub>D</sub> 値)</b>	K <sub>D</sub> = 5.86 x 10 <sup>-11</sup> M





[Learn more about K<sub>D</sub>](#)

バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR5619
アイソタイプ	IgG

アプリケーション

**The Abpromise guarantee**      **Abpromise保証は、次のテスト済みアプリケーションにおけるab124698の使用に適用されます**  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/10000. Detects a band of approximately 90, 110 kDa (predicted molecular weight: 93 kDa).
IHC-P		1/800. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. <b>For unpurified use 1/250.00000 - 1/500.00000. See <a href="#">IHC antigen retrieval protocols</a>.</b>

**追加情報**      Is unsuitable for Flow Cyt, ICC/IF or IP.

ターゲット情報

<b>機能</b>	Active metalloproteinase with gelatinolytic and collagenolytic activity. Plays a role in the wound healing process. Mediates both heterotypic intraepithelial cell/T-cell interactions and homotypic T-cell aggregation. Inhibits beta-1 integrin-mediated cell adhesion and migration of airway smooth muscle cells. Suppresses cell motility on or towards fibronectin possibly by driving alpha-v/beta-1 integrin (ITAGV-ITGB1) cell surface expression via ERK1/2 inactivation. Cleaves E-cadherin in response to growth factor deprivation. Plays a role in glomerular cell migration. Plays a role in pathological neovascularization. May play a role in cartilage remodeling. May be proteolytically processed, during sperm epididymal maturation and the acrosome reaction. May play a role in sperm-egg binding through its disintegrin domain.
<b>組織特異性</b>	Expressed in colon and small intestine. Expressed in airway smooth muscle and glomerular mesangial cells (at protein level). Ubiquitously expressed. Overexpressed in atherosclerotic lesions. Constitutively expressed in cultured endothelium and smooth muscle. Expressed in chondrocytes. Expressed in airway smooth muscle and glomerular mesangial cells.
<b>配列類似性</b>	Contains 1 disintegrin domain. Contains 1 EGF-like domain. Contains 1 peptidase M12B domain.
<b>ドメイン</b>	The cytoplasmic domain interacts with endophilin I and sorting nexin 9. Disintegrin domain binds to integrin alphaV-beta3.

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.

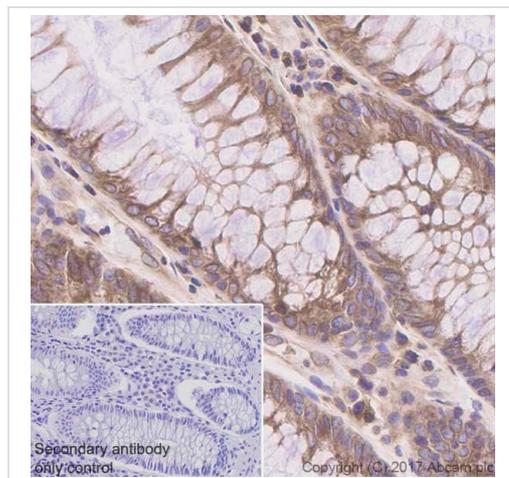
### 翻訳後修飾

The precursor is cleaved by a furin endopeptidase.  
Phosphorylation increases association with PTKs.

### 細胞内局在

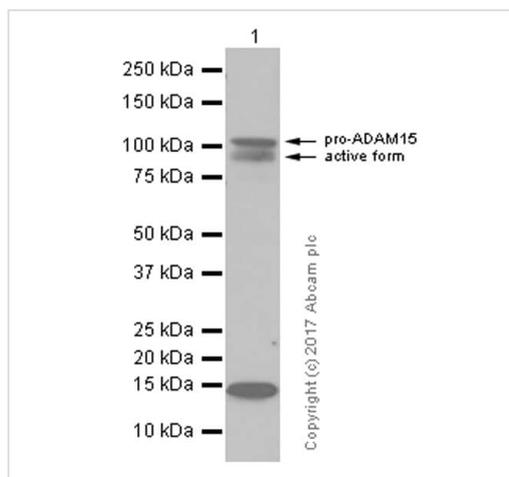
Endomembrane system. Cell junction > adherens junction. Cell projection > cilium > flagellum.  
Cytoplasmic vesicle > secretory vesicle > acrosome. The majority of the protein is localized in a perinuclear compartment which may correspond to the trans-Golgi network or the late endosome.  
The pro-protein is the major detectable form on the cell surface, whereas the majority of the protein in the cell is processed.

### 画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon tissue sections labeling ADAM15 with purified ab124698 at 1:800 dilution (2.34 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). Tissue was counterstained with hematoxylin. ImmunoHistoProbe one step HRP Polymer (ready to use). PBS instead of the primary antibody was used as the negative control.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ADAM15 antibody [EPR5619] (ab124698)



Anti-ADAM15 antibody [EPR5619] (ab124698) at 1/1000 dilution (purified) + SW480 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates at 15 µg

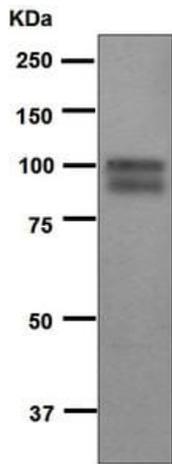
### Secondary

Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

**Predicted band size:** 93 kDa

**Observed band size:** 110,90 kDa

Western blot - Anti-ADAM15 antibody [EPR5619] (ab124698)



Western blot - Anti-ADAM15 antibody [EPR5619] (ab124698)

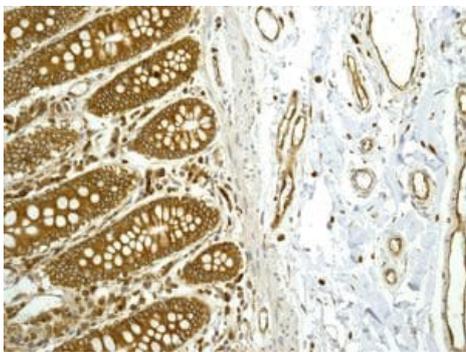
Anti-ADAM15 antibody [EPR5619] (ab124698) at 1/1000 dilution + SW480 cell lysate at 10 µg

**Secondary**

Goat anti-Rabbit HRP

**Predicted band size:** 93 kDa

ab124698 also appears to recognize the pro-protein (110kDa). This image was produced using unpurified antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ADAM15 antibody [EPR5619] (ab124698)

ab124698, at 1/250 dilution, staining ADAM15 in paraffin-embedded Human colon tissue by immunohistochemistry. This image was produced using unpurified antibody.

Why choose a recombinant antibody?

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**Research with confidence**  
Consistent and reproducible results
- 

**Long-term and scalable supply**  
Recombinant technology
- 

**Success from the first experiment**  
Confirmed specificity
- 

**Ethical standards compliant**  
Animal-free production

Anti-ADAM15 antibody [EPR5619] (ab124698)

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

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