

Product datasheet

Anti-Angiomotin antibody ab85143

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概述

产品名称	Anti-Angiomotin抗体
描述	兔多克隆抗体to Angiomotin
宿主	Rabbit
经测试应用	适用于: IHC-P, WB
种属反应性	与反应: Human 预测可用于: Mouse, Rat 
免疫原	Synthetic peptide conjugated to KLH derived from within residues 1050 to the C-terminus of Human Angiomotin.参阅Abcam的专有抗源政策(Peptide available as <a href="#">ab97422</a> .)
阳性对照	This antibody gave a positive signal in Human Placenta Tissue Lysate. This antibody gave a positive result in IHC in the following FFPE tissue: Human skeletal muscle.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab85143** in the following tested applications.

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

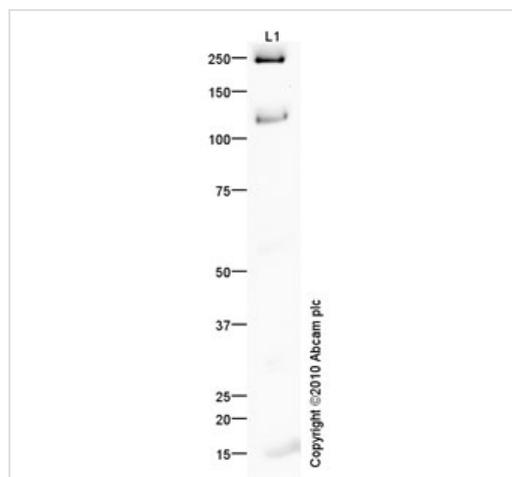
应用	Ab评论	说明
IHC-P		Use a concentration of 5 µg/ml.

应用	Ab评论	说明
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 118 kDa (predicted molecular weight: 118 kDa).

## 靶标

<b>功能</b>	Plays a central role in tight junction maintenance via the complex formed with ARHGAP17, which acts by regulating the uptake of polarity proteins at tight junctions. Appears to regulate endothelial cell migration and tube formation. May also play a role in the assembly of endothelial cell-cell junctions.
<b>组织特异性</b>	Expressed in placenta and skeletal muscle. Found in the endothelial cells of capillaries as well as larger vessels of the placenta.
<b>序列相似性</b>	Belongs to the angiotensin family.
<b>结构域</b>	The coiled coil domain interacts directly with the BAR domain of ARHGAP17. The angiotensin binding domain (871-1005) allows the binding to angiotensin.
<b>翻译后修饰</b>	Phosphorylated upon DNA damage, probably by ATM or ATR.
<b>细胞定位</b>	Cell junction > tight junction. Localized on the cell surface. May act as a transmembrane protein.

## 图片



Western blot - Anti-Angiotensin antibody (ab85143)

Anti-Angiotensin antibody (ab85143) at 1 µg/ml + Human placenta tissue lysate - total protein (ab29745) at 10 µg

### Secondary

Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

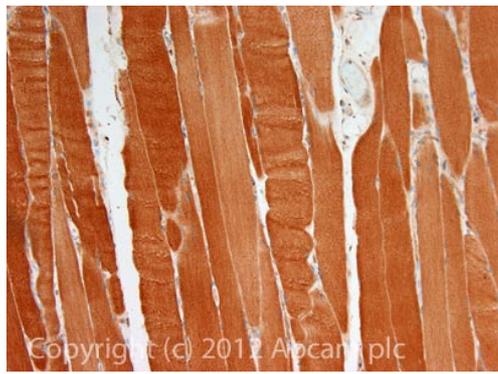
**Predicted band size:** 118 kDa

**Observed band size:** 118 kDa

**Additional bands at:** 250 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 15 minutes

The banding pattern observed is comparable to other commercially available antibodies to Angiotensin. Abcam welcomes customer feedback.



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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Angiotensin II antibody (ab85143)

IHC image of Angiotensin II staining in Human skeletal muscle formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab85143, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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