


### Anti-MYL9 antibody [EPR13013(2)(B)] ab187152

敲除验证
重组
RabMAb

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#### 概述

产品名称	Anti-MYL9抗体[EPR13013(2)(B)]
描述	兔单克隆抗体[EPR13013(2)(B)] to MYL9
宿主	Rabbit
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Mouse, Human 预测可用于: Rat 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: HeLa and human colon cell lysate; Human stomach, colon and uterus lysates; Mouse muscle lysate. IHC-P: Human colon tissue; Mouse stomach tissue.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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> <p>For more information <a href="#">see here</a>.</p> <p>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>.</p>

#### 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 long term. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR13013(2)(B)

同种型IgG

应用

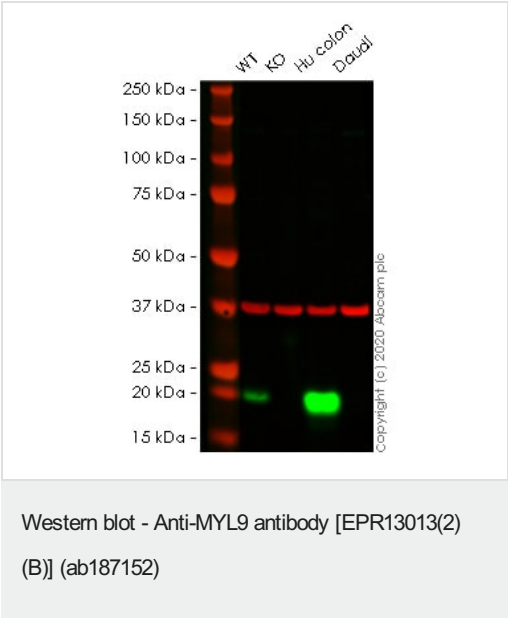
The Abpromise guarantee **Abpromise™**承诺保证使用ab187152于以下的经测试应用  
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/1000 - 1/10000. Predicted molecular weight: 20 kDa.
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

靶标

功能	Myosin regulatory subunit that plays an important role in regulation of both smooth muscle and nonmuscle cell contractile activity via its phosphorylation. Implicated in cytokinesis, receptor capping, and cell locomotion.
组织特异性	Smooth muscle tissues and in some, but not all, nonmuscle cells.
序列相似性	Contains 3 EF-hand domains.
翻译后修饰	Phosphorylation increases the actin-activated myosin ATPase activity and thereby regulates the contractile activity. It is required to generate the driving force in the migration of the cells but not necessary for localization of myosin-2 at the leading edge.

图片



**All lanes :** Anti-MYL9 antibody [EPR13013(2)(B)] (ab187152) at 1/1000 dilution

- Lane 1 :** Wild-type HeLa cell lysate
- Lane 2 :** MYL9 knockout HeLa cell lysate
- Lane 3 :** Human colon cell lysate
- Lane 4 :** Daudi cell lysate

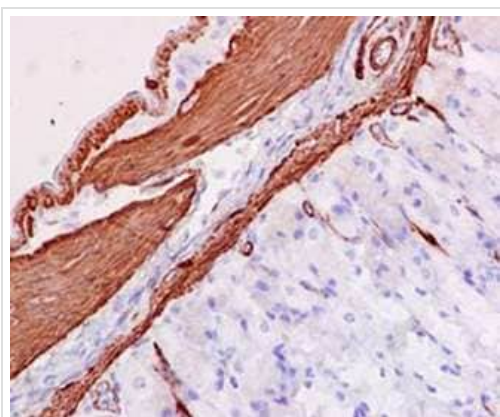
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

**Predicted band size:** 20 kDa

**Lanes 1-4:** Merged signal (red and green). Green - ab187152 observed at 20 kDa. Red - loading control **ab8245** observed at 37 kDa.

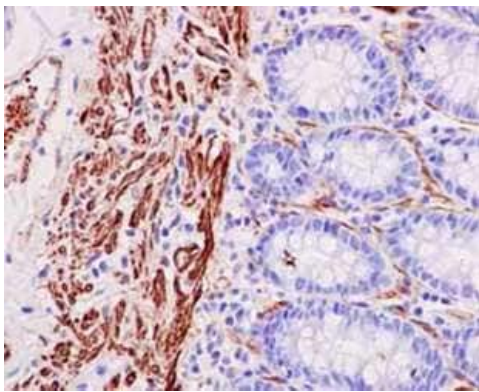
ab187152 Anti-MYL9 antibody [EPR13013(2)(B)] was shown to specifically react with MYL9 in wild-type HeLa cells. Loss of signal was observed when knockout cell line **ab266036** (knockout cell lysate **ab256999**) was used. Wild-type and MYL9 knockout samples were subjected to SDS-PAGE. ab187152 and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Immunohistochemical analysis of paraffin-embedded mouse stomach tissue labeling MYL9 with ab187152 at 1/500 dilution. Anti-rabbit IgG HRP was used as a secondary antibody and slides were counterstained with hematoxylin.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.

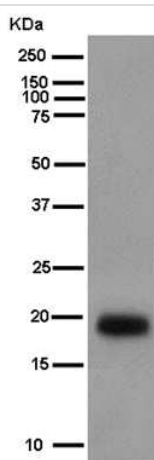
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MYL9 antibody [EPR13013(2)(B)] (ab187152)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MYL9 antibody [EPR13013(2)(B)] (ab187152)

Immunohistochemical analysis of paraffin-embedded human colon tissue labeling MYL9 with ab187152 at 1/500 dilution. Anti-rabbit IgG HRP was used as a secondary antibody and slides were counterstained with hematoxylin.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



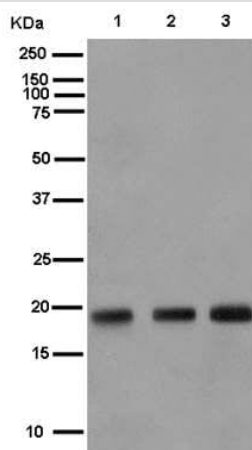
Western blot - Anti-MYL9 antibody [EPR13013(2)(B)] (ab187152)

Anti-MYL9 antibody [EPR13013(2)(B)] (ab187152) at 1/1000 dilution + Mouse muscle lysate at 10 µg

#### Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size:** 20 kDa



Western blot - Anti-MYL9 antibody [EPR13013(2)(B)] (ab187152)

**All lanes :** Anti-MYL9 antibody [EPR13013(2)(B)] (ab187152) at 1/5000 dilution

**Lane 1 :** Human stomach lysate

**Lane 2 :** Human colon lysate

**Lane 3 :** Human uterus lysate

Lysates/proteins at 10 µg per lane.

#### Secondary

**All lanes :** Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

**Predicted band size:** 20 kDa

### Why choose a recombinant antibody?



**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-MYL9 antibody [EPR13013(2)(B)] (ab187152)

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

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