

### Anti-ADRA1B antibody [EPR10336] ab169523

**重组 RabMAb**

★☆☆☆☆ **1 Abreviews** **19 References** **8 图像**

#### 概述

<b>产品名称</b>	Anti-ADRA1B抗体[EPR10336]
<b>描述</b>	兔单克隆抗体[EPR10336] to ADRA1B
<b>宿主</b>	Rabbit
<b>经测试应用</b>	<b>适用于:</b> IHC-P, WB <b>不适用于:</b> Flow Cyt or ICC/IF
<b>种属反应性</b>	<b>与反应:</b> Mouse, Rat, Human
<b>免疫原</b>	Synthetic peptide within Human ADRA1B aa 150-250. The exact sequence is proprietary. Database link: <b><a href="#">P35368</a></b>
<b>阳性对照</b>	WB: HeLa, PC-3 and NIH/3T3 cell lysate, human fetal brain lysates, mouse and rat brain lysates, mouse and rat stomach lysates; IHC-P: Rat and mouse stomach tissue. Human ovarian carcinoma, breast carcinoma, and kidney tissues.
<b>常规说明</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 <b><a href="#">see here</a></b> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <b><a href="#">RabMAb<sup>®</sup> patents</a></b> .

#### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	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.
<b>存储溶液</b>	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
<b>纯度</b>	Protein A purified
<b>克隆</b>	单克隆
<b>克隆编号</b>	EPR10336

同种型

IgG

## 应用

### The Abpromise guarantee

**Abpromise™**承诺保证使用ab169523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
IHC-P		1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB	★☆☆☆☆ (1)	1/1000 - 1/10000. Predicted molecular weight: 57 kDa.

### 应用说明

Is unsuitable for Flow Cyt or ICC/IF.

## 靶标

### 功能

This alpha-adrenergic receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. Its effect is mediated by G(q) and G(11) proteins. Nuclear ADRA1A-ADRA1B heterooligomers regulate phenylephrine (PE)-stimulated ERK signaling in cardiac myocytes.

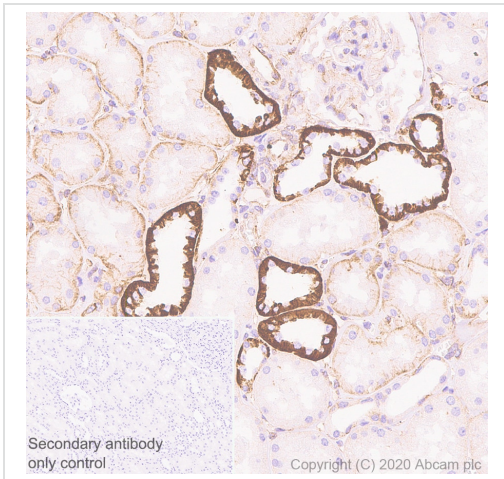
### 序列相似性

Belongs to the G-protein coupled receptor 1 family. Adrenergic receptor subfamily. ADRA1B sub-subfamily.

### 细胞定位

Nucleus membrane. Cell membrane. Location at the nuclear membrane facilitates heterooligomerization and regulates ERK-mediated signaling in cardiac myocytes. signaling in cardiac myocytes. Colocalizes with GNAQ, PLCB1 as well as LAP2 at the nuclear membrane of cardiac myocytes.

## 图片

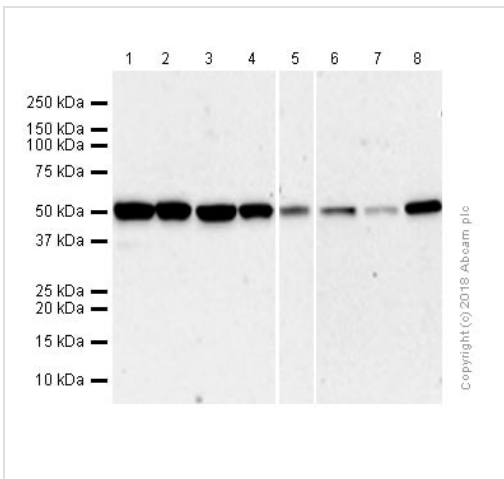


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ADRA1B antibody [EPR10336] (ab169523)

Immunohistochemical analysis of paraffin-embedded Human kidney tissue labeling ADRA1B with ab169523 at 1/500 (1.242 µg/mL) dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Cytoplasmic staining predominantly on collecting duct of human kidney. The section was incubated with ab169523 for 30 minutes at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution) for 20 minutes.



Western blot - Anti-ADRA1B antibody [EPR10336] (ab169523)

**All lanes** : Anti-ADRA1B antibody [EPR10336] (ab169523) at 1/2000 dilution (Purified)

- Lane 1** : Human fetal brain lysates
- Lane 2** : PC-3 (Human prostate adenocarcinoma epithelial cell) whole cell lysates
- Lane 3** : Mouse brain lysates
- Lane 4** : NIH/3T3 (Mouse embryonic fibroblast) whole cell lysates
- Lane 5** : Rat brain lysates
- Lane 6** : Mouse stomach lysates
- Lane 7** : Rat stomach lysates
- Lane 8** : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

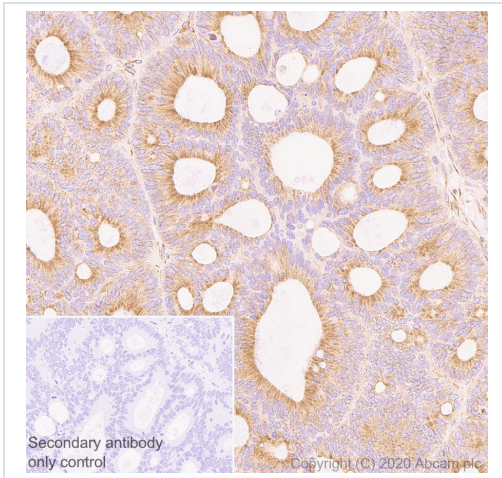
Lysates/proteins at 20 µg per lane.

**Secondary**

**All lanes** : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

**Predicted band size:** 57 kDa

**Observed band size:** 57 kDa

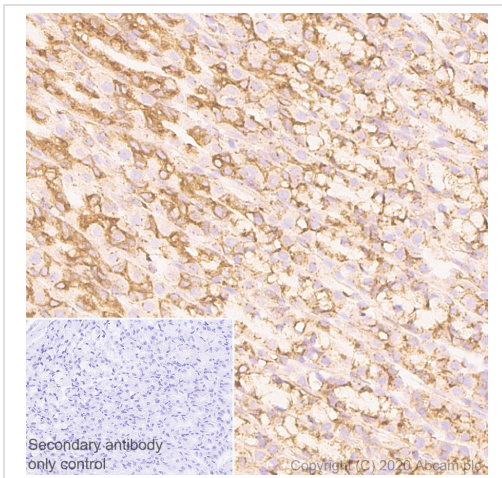


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ADRA1B antibody [EPR10336] (ab169523)

Immunohistochemical analysis of paraffin-embedded Human ovarian carcinoma tissue labeling ADRA1B with ab169523 at 1/500 (1.242 µg/mL) dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Cytoplasmic staining on human ovarian carcinoma. The section was incubated with ab169523 for 30 minutes at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution) for 20 minutes.

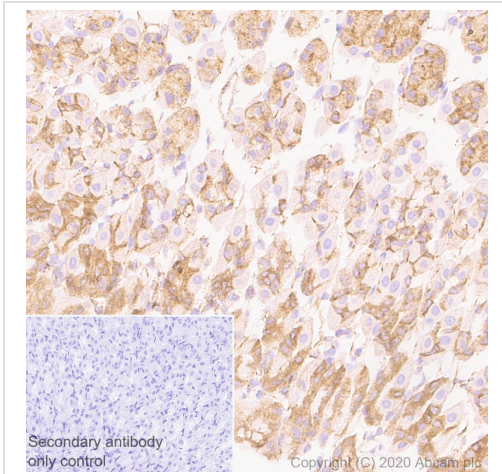


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ADRA1B antibody [EPR10336] (ab169523)

Immunohistochemical analysis of paraffin-embedded Rat stomach tissue labeling ADRA1B with ab169523 at 1/500 (1.242 µg/mL) dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Cytoplasmic staining on rat stomach. The section was incubated with ab169523 for 30 minutes at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution) for 20 minutes.

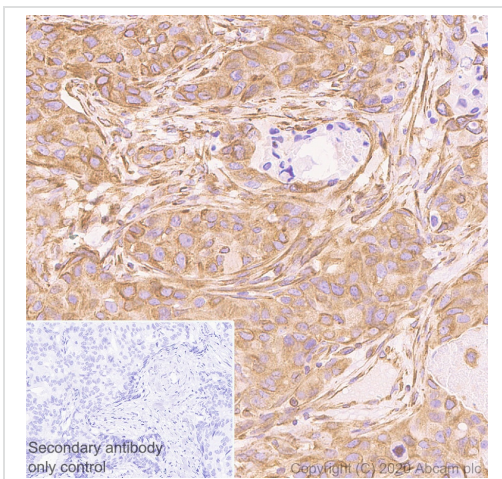


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ADRA1B antibody [EPR10336] (ab169523)

Immunohistochemical analysis of paraffin-embedded Mouse stomach tissue labeling ADRA1B with ab169523 at 1/500 (1.242 µg/mL) dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Cytoplasmic staining on mouse stomach. The section was incubated with ab169523 for 30 minutes at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution) for 20 minutes.



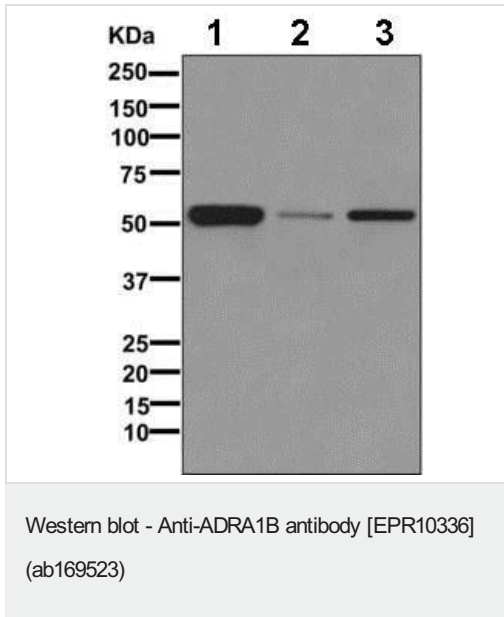
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ADRA1B antibody [EPR10336] (ab169523)

Immunohistochemical analysis of paraffin-embedded Human breast carcinoma tissue labeling ADRA1B with ab169523 at 1/500 (1.242 µg/mL) dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Cytoplasmic staining on human breast carcinoma. The section was incubated with ab169523 for 30 minutes at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution) for 20 minutes.





**All lanes** : Anti-ADRA1B antibody [EPR10336] (ab169523) at 1/1000 dilution (unpurified)

**Lane 1** : Fetal brain lysate

**Lane 2** : PC-3 lysate

**Lane 3** : HeLa cell lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes** : HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 57 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-ADRA1B antibody [EPR10336] (ab169523)

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

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