

### Anti-PDE4B antibody [EPR11830] ab170939

敲除验证
重组
RabMAb

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#### 概述

产品名称	Anti-PDE4B抗体[EPR11830]
描述	兔单克隆抗体[EPR11830] to PDE4B
宿主	Rabbit
经测试应用	<b>适用于:</b> Flow Cyt (Intra), WB <b>不适用于:</b> ICC/IF, IHC-P or IP
种属反应性	<b>与反应:</b> Mouse, Human <b>不与反应:</b> Rat
免疫原	Recombinant fragment within Human PDE4B aa 550 to the C-terminus. The exact sequence is proprietary. Database link: <a href="#">Q07343</a>
阳性对照	WB: HeLa, A549, Human fetal brain and Human glioma lysates; Mouse brain tissue lysate. Flow Cyt (intra): A549 cells.
常规说明	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> .

#### 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	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant

纯度	Tissue culture supernatant
克隆	单克隆
克隆编号	EPR11830
同种型	IgG

## 应用

**The Abpromise guarantee**      **Abpromise™承诺保证使用ab170939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。

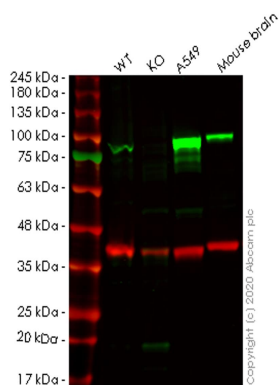
应用	Ab评论	说明
Flow Cyt (Intra)		1/10 - 1/100. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/5000. Predicted molecular weight: 83 kDa.

**应用说明** Is unsuitable for ICC/IF, IHC-P or IP.

靶标

<b>功能</b>	Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes. May be involved in mediating central nervous system effects of therapeutic agents ranging from antidepressants to antiasthmatic and anti-inflammatory agents.
<b>组织特异性</b>	Expressed in brain, heart, lung and skeletal muscle.
<b>通路</b>	Purine metabolism; 3',5'-cyclic AMP degradation; AMP from 3',5'-cyclic AMP: step 1/1.
<b>序列相似性</b>	Belongs to the cyclic nucleotide phosphodiesterase family. PDE4 subfamily.

图片



Western blot - Anti-PDE4B antibody [EPR11830]  
(ab170939)

**All lanes :** Anti-PDE4B antibody [EPR11830] (ab170939) at 1/500 dilution

**Lane 1 :** Wild-type HeLa cell lysate

**Lane 2 :** PDE4B knockout HeLa cell lysate

**Lane 3 :** A549 cell lysate

**Lane 4 :** Mouse brain tissue lysate

Lysates/proteins at 20 µg per lane.

### Secondary

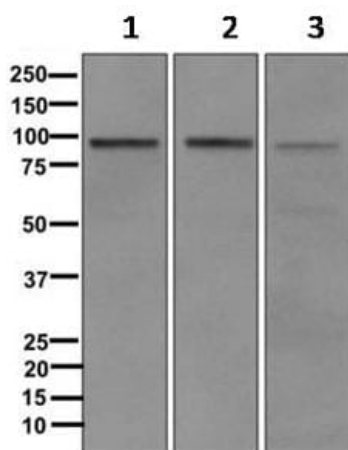
**All lanes :** Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) at 1/10000 dilution

**Predicted band size:** 83 kDa

**Observed band size:** 83 kDa

**Lanes 1-4:** Merged signal (red and green). Green - ab170939 observed at 83 kDa. Red - loading control [ab8245](#) observed at 36 kDa.

ab170939 Anti-PDE4B antibody [EPR11830] was shown to specifically react with PDE4B in wild-type HeLa cells. Loss of signal was observed when knockout cell line [ab265259](#) (knockout cell lysate [ab257576](#)) was used. Wild-type and PDE4B knockout samples were subjected to SDS-PAGE. ab170939 and Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) were incubated overnight at 4°C at 1 in 500 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.



Western blot - Anti-PDE4B antibody [EPR11830]  
(ab170939)

**All lanes :** Anti-PDE4B antibody [EPR11830] (ab170939) at 1/1000 dilution

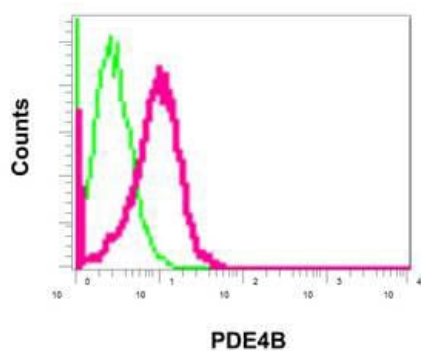
**Lane 1 :** Human fetal brain lysates

**Lane 2 :** Human glioma lysates

**Lane 3 :** A549 lysates

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 83 kDa



Flow Cytometry (Intracellular) - Anti-PDE4B antibody  
[EPR11830] (ab170939)

Intracellular flow cytometric analysis of permeabilized A549 cells labeling PDE4B using ab170939 (red) at 1/10 dilution, or a rabbit IgG (negative) (green).

### 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-PDE4B antibody [EPR11830] (ab170939)

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

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