


### Anti-PDK1 antibody [EPR13015] - C-terminal ab180171

敲除验证
重组
RabMAb

[1 References](#)
[3 图像](#)

#### 概述

产品名称	Anti-PDK1抗体[EPR13015] - C-terminal
描述	兔单克隆抗体[EPR13015] to PDK1 - C-terminal
宿主	Rabbit
经测试应用	<b>适用于:</b> WB <b>不适用于:</b> Flow Cyt, ICC/IF, IHC-P or IP
种属反应性	<b>与反应:</b> Human <b>预测可用于:</b> Mouse, Rat 
免疫原	Synthetic peptide within Human PDK1 aa 400 to the C-terminus (C terminal) (Cysteine residue). The exact sequence is proprietary. Database link: <a href="#">Q15118</a>
阳性对照	Fetal heart, LNCaP and HepG2 lysates.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production 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: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
纯度	Protein A purified
克隆	单克隆

克隆编号EPR13015

同种型IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab180171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		1/10000 - 1/50000. Predicted molecular weight: 49 kDa.

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

靶标

功能Inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1 alpha subunit, thus contributing to the regulation of glucose metabolism.

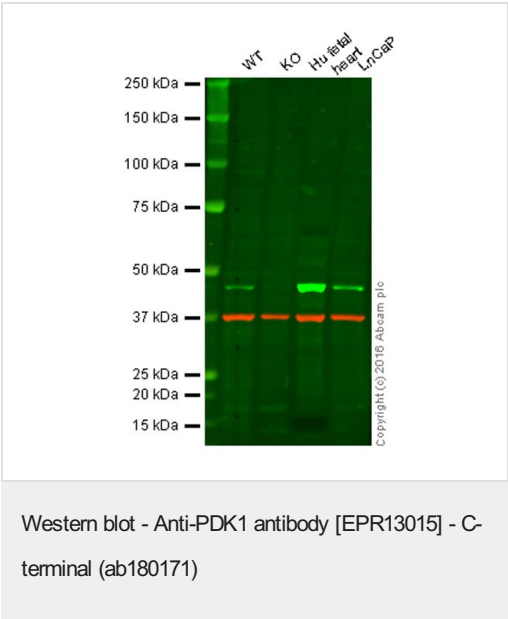
组织特异性Expressed predominantly in the heart.

序列相似性Belongs to the PDK/BCKDK protein kinase family.

Contains 1 histidine kinase domain.

细胞定位Mitochondrion matrix.

图片



**Lane 1:** Wild-type HAP1 cell lysate (20 µg)

**Lane 2:** Mitochondrial Pyruvate dehydrogenase kinase 1 knockout HAP1 cell lysate (20 µg)

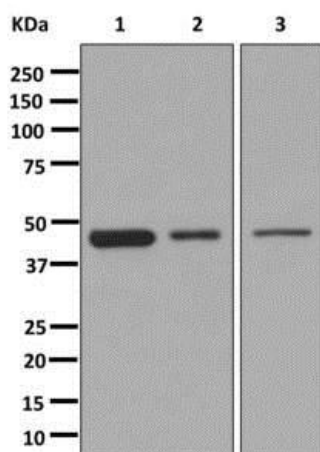
**Lane 3:** Human fetal heart tissue lysate (20 µg)

**Lane 4:** LnCaP cell lysate (20 µg)

**Lanes 1 - 4:** Merged signal (red and green). Green - ab180171 observed at 46 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab180171 was shown to specifically react with Mitochondrial Pyruvate dehydrogenase kinase 1 in wild-type HAP1 cells along with additional cross reactive bands. No bands were observed when Mitochondrial Pyruvate dehydrogenase kinase 1 knockout samples were examined. Wild-type and Mitochondrial Pyruvate dehydrogenase kinase 1 knockout samples were subjected to SDS-PAGE. ab180171 and **ab8245** (loading control to GAPDH) were both diluted 1/1000 and incubated overnight at 4°C. 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 1/10,000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-PDK1 antibody [EPR13015] - C-terminal (ab180171)

**All lanes** : Anti-PDK1 antibody [EPR13015] - C-terminal (ab180171) at 1/10000 dilution

**Lane 1** : Fetal heart lysate

**Lane 2** : LNCaP cell lysate

**Lane 3** : HepG2 cell lysate

Lysates/proteins at 10 µg per lane.

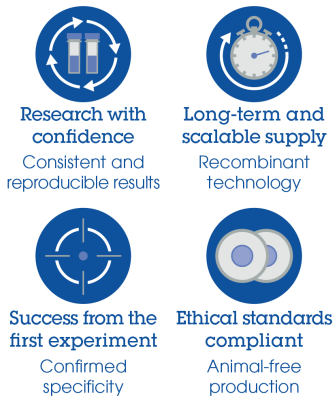
#### Secondary

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

Developed using the ECL technique.

**Predicted band size:** 49 kDa

#### Why choose a recombinant antibody?



Anti-PDK1 antibody [EPR13015] - C-terminal (ab180171)

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