


Anti-Peroxiredoxin 4 antibody [EPR15458(B)] ab184167

敲除验证
重组
RabMAb

★★★★★
[1 Abreviews](#)
[6 References](#)
[5 图像](#)

概述

产品名称	Anti-Peroxiredoxin 4抗体[EPR15458(B)]
描述	兔单克隆抗体[EPR15458(B)] to Peroxiredoxin 4
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: HepG2, K562, HEK293T and Jurkat cell lysates. IHC-P: Human ovarian carcinoma tissue, Mouse liver 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"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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	EPR15458(B)

同种型IgG

应用

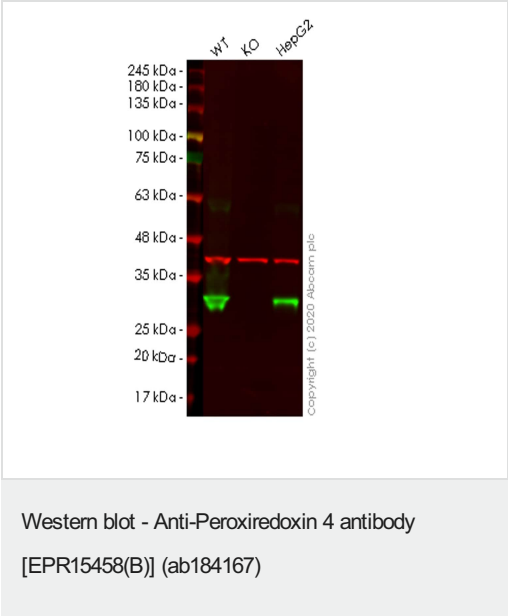
The Abpromise guarantee **Abpromise™**承诺保证使用ab184167于以下的经测试应用
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (1)	1/10000 - 1/50000. Detects a band of approximately 27 kDa (predicted molecular weight: 31 kDa).
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

靶标

功能	Probably involved in redox regulation of the cell. Regulates the activation of NF-kappa-B in the cytosol by a modulation of I-kappa-B-alpha phosphorylation.
序列相似性	Belongs to the ahpC/TSA family. Contains 1 thioredoxin domain.
细胞定位	Cytoplasm. Secreted.

图片



All lanes : Anti-Peroxiredoxin 4 antibody [EPR15458(B)] (ab184167) at 1/1000 dilution

- Lane 1 :** Wild-type HEK293T cell lysate
- Lane 2 :** PRDX4 knockout HEK293T cell lysate
- Lane 3 :** HepG2 cell lysate

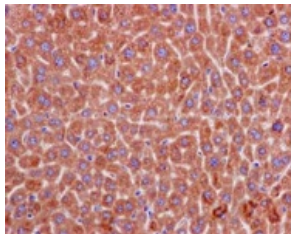
Lysates/proteins at 20 µg per lane.

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

Predicted band size: 31 kDa
Observed band size: 27 kDa

Lanes 1-4: Merged signal (red and green). Green - ab184167 observed at 27 kDa. Red - loading control **ab8245** observed at 36 kDa.

ab184167 Anti-Peroxiredoxin 4 antibody [EPR15458(B)] was shown to specifically react with Peroxiredoxin 4 in wild-type HEK293T cells. Loss of signal was observed when knockout cell line **ab266727** (knockout cell lysate **ab257264**) was used. Wild-type and Peroxiredoxin 4 knockout samples were subjected to SDS-PAGE. ab184167 and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated at room temperature for 2.5 hours 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.

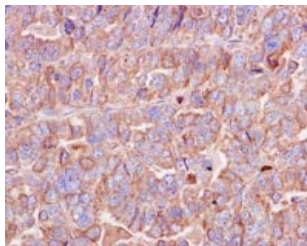


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Peroxiredoxin 4 antibody [EPR15458(B)] (ab184167)

Immunohistochemical analysis of paraffin-embedded Mouse liver tissue labeling Peroxiredoxin 4 with ab184167 at 1/250 dilution.

Counter stain Hematoxylin.

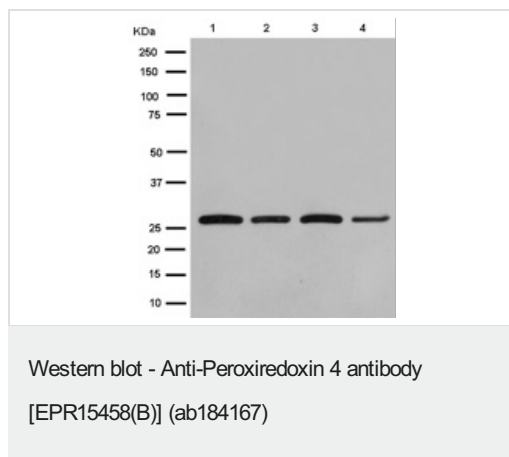
Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Peroxiredoxin 4 antibody [EPR15458(B)] (ab184167)

Immunohistochemical analysis of, paraffin-embedded Human ovarian carcinoma tissue labeling Peroxiredoxin 4 with ab184167 at 1/250 dilution. Counter stain Hematoxylin.

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



All lanes : Anti-Peroxiredoxin 4 antibody [EPR15458(B)]
(ab184167) at 1/50000 dilution

Lane 1 : HepG2 cell lysate

Lane 2 : K562 cell lysate

Lane 3 : HeLa cell lysate

Lane 4 : Jurkat cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

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

Predicted band size: 31 kDa

Observed band size: 27 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-Peroxiredoxin 4 antibody [EPR15458(B)]
(ab184167)

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

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