

Anti-Peroxiredoxin 6 antibody [EPR3754] ab133348

敲除验证
重组
RabMAb

★★★★★
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概述

产品名称	Anti-Peroxiredoxin 6抗体[EPR3754]
描述	兔单克隆抗体[EPR3754] to Peroxiredoxin 6
宿主	Rabbit
经测试应用	适用于: WB, IHC-P 不适用于: IP
种属反应性	与反应: Mouse, Human 预测可用于: Rat, Pig 
免疫原	Synthetic peptide within Human Peroxiredoxin 6 aa 50-150. The exact sequence is proprietary.
阳性对照	HAP1, HeLa, 293 and fetal liver lysates; Human brain 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. Stable for 12 months at -20°C.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR3754

同种型

IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用 ab133348 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	★★★★★ (2)	1/1000 - 1/10000. Predicted molecular weight: 25 kDa.
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

应用说明

Is unsuitable for IP.

靶标

功能

Involved in redox regulation of the cell. Can reduce H₂O₂ and short chain organic, fatty acid, and phospholipid hydroperoxides. May play a role in the regulation of phospholipid turnover as well as in protection against oxidative injury.

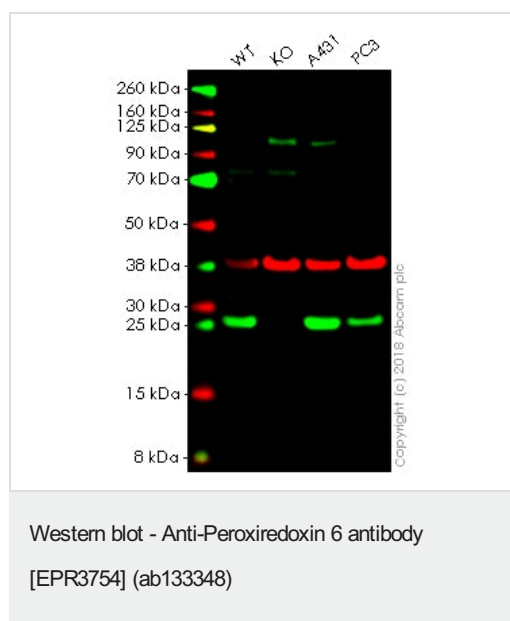
序列相似性

Belongs to the ahpC/TSA family. Rehydrin subfamily.
Contains 1 thioredoxin domain.

细胞定位

Cytoplasm. Lysosome. Cytoplasmic vesicle. Also found in lung secretory organelles.

图片



All lanes : Anti-Peroxiredoxin 6 antibody [EPR3754] (ab133348) at 1/1000 dilution

Lane 1 : Wild-type HAP1 whole cell lysate

Lane 2 : PRDX6 (Peroxiredoxin 6) knockout HAP1 whole cell lysate

Lane 3 : A431 whole cell lysate

Lane 4 : PC3 whole cell lysate

Lysates/proteins at 20 µg per lane.

Predicted band size: 25 kDa

Lanes 1 -4: Merged signal (red and green). Green - ab133348 observed at 25 kDa. Red - loading control, **ab9484**, observed at 37 kDa.

ab133348 was shown to specifically react with Peroxiredoxin 6 in wild-type HAP1 cells as signal was lost in PRDX6 (Peroxiredoxin 6) knockout cells. Wild-type and PRDX6 (Peroxiredoxin 6) knockout samples were subjected to SDS-PAGE. Ab133348 and **ab9484** (Mouse anti-GAPDH loading control) were incubated overnight at 4°C at 1/1000 dilution and 1/20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed **ab216773** and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed **ab216776** secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Peroxiredoxin 6 antibody [EPR3754] (ab133348)

Immunohistochemical analysis of paraffin embedded normal Human stomach tissue using ab133348 showing +ve staining.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

All lanes : Anti-Peroxiredoxin 6 antibody [EPR3754] (ab133348) at 1/1000 dilution

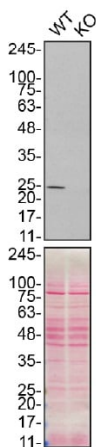
Lane 1 : Wild-type HAP1 cell lysate

Lane 2 : PRDX6 knockout HAP1 cell lysate

Lysates/proteins at 20 µg per lane.

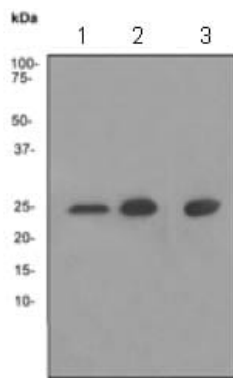
Performed under reducing conditions.

Predicted band size: 25 kDa



Western blot - Anti-Peroxiredoxin 6 antibody [EPR3754] (ab133348)

ab133348 was shown to react with PRDX6 in wild-type HAP1 cells in Western blot with loss of signal observed in a PRDX6 knockout cell line. Wild-type HAP1 and PRDX6 knockout cell lysates were subjected to SDS-PAGE. Membranes were blocked in 5% milk in TBST for 1 hr before incubation with ab133348 overnight at 4 °C at a 1/1000 dilution. Blots were incubated with goat anti-rabbit HRP secondary antibodies at 0.2µg/mL before imaging. These data were provided by YCharOS Inc., an open science company with the mission of characterizing commercially available antibody reagents for all human proteins. Abcam and YCharOS are working together to help address the reproducibility crisis by enabling the life science community to better evaluate commercially available antibodies.



Western blot - Anti-Peroxiredoxin 6 antibody [EPR3754] (ab133348)

All lanes : Anti-Peroxiredoxin 6 antibody [EPR3754] (ab133348)

Lane 1 : HeLa lysate

Lane 2 : 293 lysate

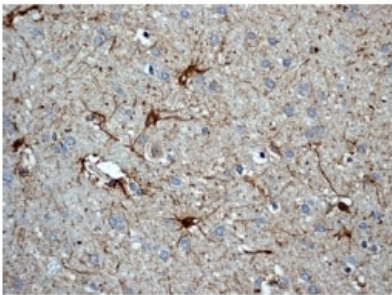
Lane 3 : Fetal liver lysate

Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 25 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Peroxiredoxin 6 antibody [EPR3754] (ab133348)

Immunohistochemical analysis of paraffin-embedded Human brain tissue labelling Peroxiredoxin 6 with ab133348 at 1/250 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Peroxiredoxin 6 antibody [EPR3754] (ab133348)

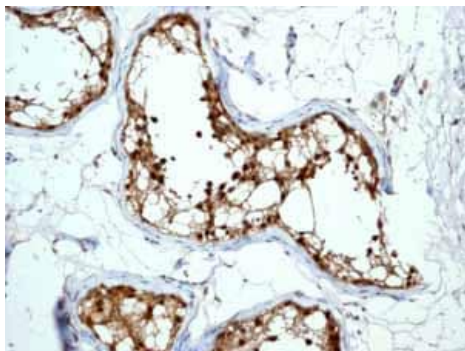
Immunohistochemical analysis of paraffin embedded normal Human liver tissue using ab133348 showing +ve staining.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Peroxiredoxin 6 antibody [EPR3754] (ab133348)

Immunohistochemical analysis of paraffin embedded normal Human placenta tissue using ab133348 showing +ve staining.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemical analysis of paraffin embedded normal Human testis tissue using ab133348 showing +ve staining.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Peroxiredoxin 6 antibody [EPR3754] (ab133348)

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 6 antibody [EPR3754] (ab133348)

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