

Anti-Peroxiredoxin 3/PRDX3 antibody [EPR8114] ab129206

敲除验证
重组
RabMAb

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概述

产品名称	Anti-Peroxiredoxin 3/PRDX3抗体[EPR8114]
描述	兔单克隆抗体[EPR8114] to Peroxiredoxin 3/PRDX3
宿主	Rabbit
经测试应用	适用于: IHC-P, WB, ICC/IF, Flow Cyt (Intra) 不适用于: IP
种属反应性	与反应: Human
免疫原	Synthetic peptide within Human Peroxiredoxin 3/PRDX3 aa 50-150. The exact sequence is proprietary.
阳性对照	HeLa, 293T, MCF-7, and A431 cell lysates; Human liver and thyroid gland carcinoma tissues; MCF-7 cells.
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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
纯度	Protein A purified

克隆 单克隆
克隆编号 EPR8114
同种型 IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab129206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		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/50000 - 1/200000. Detects a band of approximately 26 kDa (predicted molecular weight: 28 kDa).
ICC/IF		1/50 - 1/100.
Flow Cyt (Intra)		Use at an assay dependent concentration.

应用说明 Is unsuitable for IP.

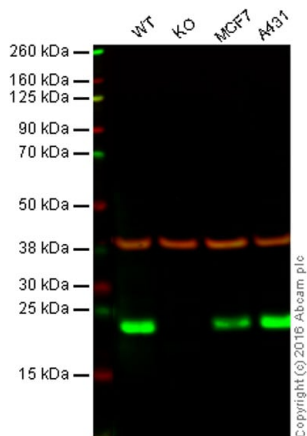
靶标

功能 Involved in redox regulation of the cell. Protects radical-sensitive enzymes from oxidative damage by a radical-generating system. Acts synergistically with MAP3K13 to regulate the activation of NF-kappa-B in the cytosol.

序列相似性 Belongs to the ahpC/TSA family.
Contains 1 thioredoxin domain.

细胞定位 Mitochondrion.

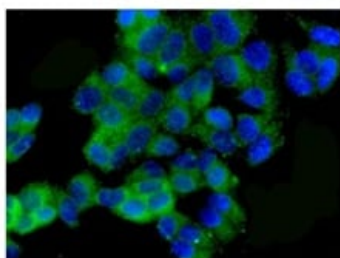
图片



Western blot - Anti-Peroxiredoxin 3/PRDX3 antibody [EPR8114] (ab129206)

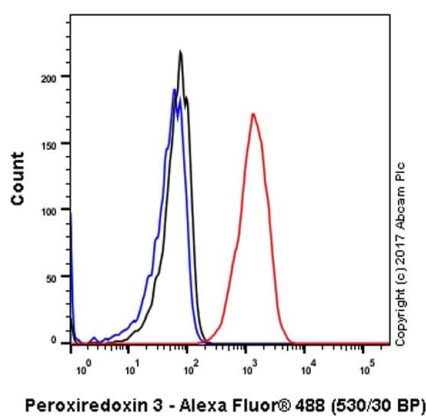
Lane 1: Wild-type HAP1 cell lysate (20 µg)
Lane 2: Peroxiredoxin 3/PRDX3 knockout HAP1 cell lysate (20 µg)
Lane 3: MCF7 cell lysate (20 µg)
Lane 4: A431 cell lysate (20 µg)
Lanes 1 - 4: Merged signal (red and green). Green - ab129206 observed at 24 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab129206 was shown to specifically react with Peroxiredoxin 3/PRDX3 when Peroxiredoxin 3/PRDX3 knockout samples were used. Wild-type and Peroxiredoxin 3/PRDX3 knockout samples were subjected to SDS-PAGE. ab129206 and **ab8245** (loading control to GAPDH) were both diluted 1/50000 and 1/10000 respectively 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 1/10000 dilution for 1 h at room temperature before imaging.



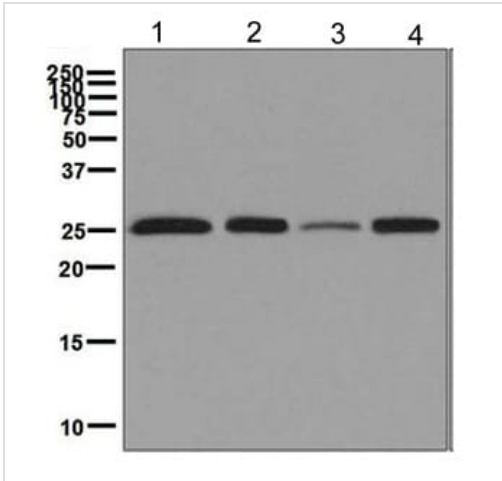
Immunocytochemistry/ Immunofluorescence - Anti-Peroxiredoxin 3/PRDX3 antibody [EPR8114] (ab129206)

ab129206, at 1/50 dilution, staining Peroxiredoxin 3/PRDX3 in MCF-7 cells by Immunofluorescence.



Flow Cytometry (Intracellular) - Anti-Peroxiredoxin 3/PRDX3 antibody [EPR8114] (ab129206)

Intracellular Flow Cytometry analysis of MCF-7 (human breast carcinoma) cells labeling Peroxiredoxin 3/PRDX3 with unpurified ab129206 at 1/150 dilution (10ug/ml) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor® 488) (1/2000 dilution) was used as the secondary antibody. Rabbit monoclonal IgG (Black) was used as the isotype control, cells without incubation with primary antibody and secondary antibody (Blue) were used as the unlabeled control.



Western blot - Anti-Peroxiredoxin 3/PRDX3 antibody [EPR8114] (ab129206)

All lanes : Anti-Peroxiredoxin 3/PRDX3 antibody [EPR8114] (ab129206) at 1/50000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : 293T (Human embryonic kidney epithelial cell) cell lysate

Lane 3 : MCF7 cell lysate

Lane 4 : A431 cell lysate

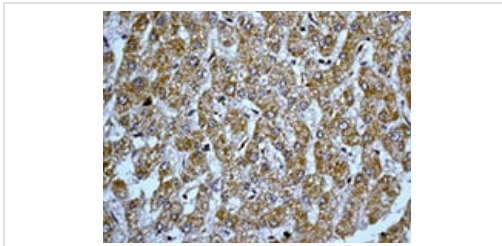
Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 28 kDa

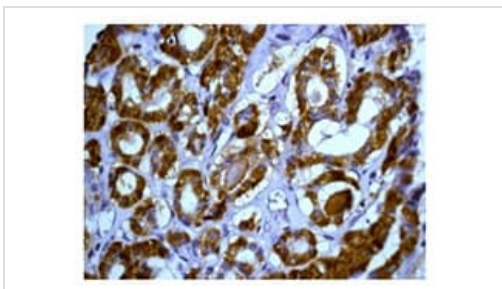
Observed band size: 26 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Peroxiredoxin 3/PRDX3 antibody [EPR8114] (ab129206)

ab129206, at 1/50 dilution, staining Peroxiredoxin 3/PRDX3 in paraffin-embedded Human liver tissue by Immunohistochemistry.

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 3/PRDX3 antibody [EPR8114] (ab129206)

ab129206, at 1/50 dilution, staining Peroxiredoxin 3/PRDX3 in paraffin-embedded Human thyroid gland carcinoma tissue by Immunohistochemistry.

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

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

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(ab129206)

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

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