


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

KO 評価済 リコンビナント RabMAb

★★★★★ [1 Abreviews](#) [6 References](#) [画像数 5](#)

製品の概要

製品名	Anti-Peroxiredoxin 4 antibody [EPR15458(B)]
製品の詳細	Rabbit monoclonal [EPR15458(B)] to Peroxiredoxin 4
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P
種交差性	交差種: Mouse, Human 交差が予測される動物種: Rat 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: HepG2, K562, HEK293T and Jurkat cell lysates. IHC-P: Human ovarian carcinoma tissue, Mouse liver tissue.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR15458(B)

アプリケーション

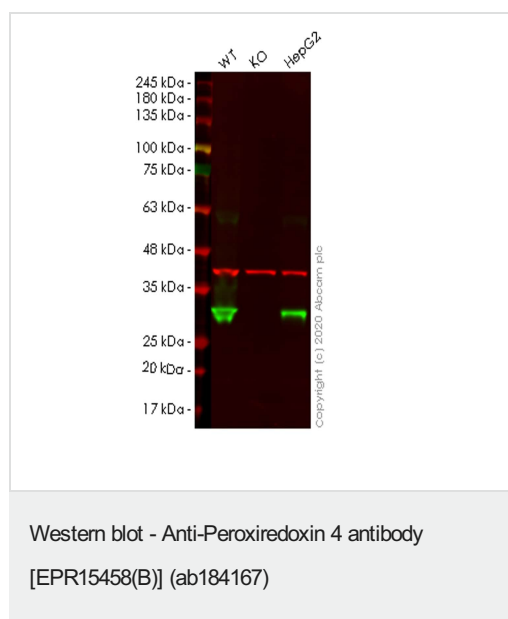
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab184167の使用に適用されず**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
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.

ターゲット情報

機能	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.
配列類似性	Belongs to the ahpC/TSA family. Contains 1 thioredoxin domain.
細胞内局在	Cytoplasm. Secreted.

画像



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

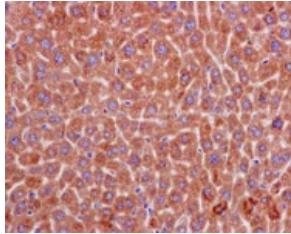
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) at 1/10000 dilution

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.

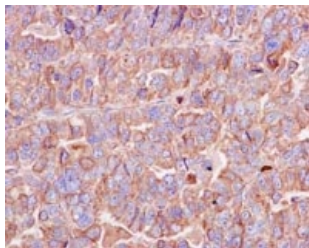


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Peroxiredoxin 4 antibody [EPR15458(B)] (ab184167)

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

Counter stain Hematoxylin.

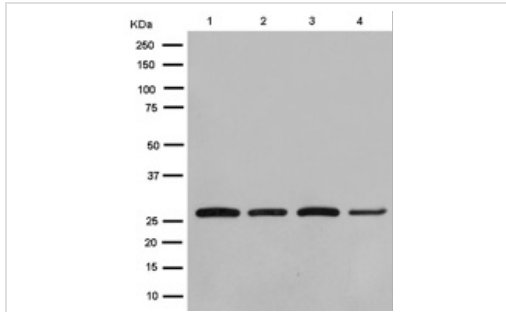
Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



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.



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

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?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

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

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