

Anti-Glutathione Peroxidase 3/GPx-3 antibody [EPR22815-112] ab256470

リコンビナント RabMAb[®]

[1 Abreviews](#) [5 References](#) [画像数 9](#)

製品の概要

製品名	Anti-Glutathione Peroxidase 3/GPx-3 antibody [EPR22815-112]
製品の詳細	Rabbit monoclonal [EPR22815-112] to Glutathione Peroxidase 3/GPx-3
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P, IHC-Fr 適用なし: IP
種交差性	交差種: Mouse, Rat
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Mouse and rat kidney tissue lysate. IHC-P: Mouse and rat kidney and lung tissue. IHC-Fr: Mouse and rat kidney 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: 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 EPR22815-112
アイソタイプ IgG

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ab256470の使用に適用されます
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		1/1000. Detects a band of approximately 22, 24 kDa (predicted molecular weight: 25 kDa).
IHC-P		1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
IHC-Fr		1/100. Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).

追加情報 Is unsuitable for IP.

ターゲット情報

機能 Protects cells and enzymes from oxidative damage, by catalyzing the reduction of hydrogen peroxide, lipid peroxides and organic hydroperoxide, by glutathione.

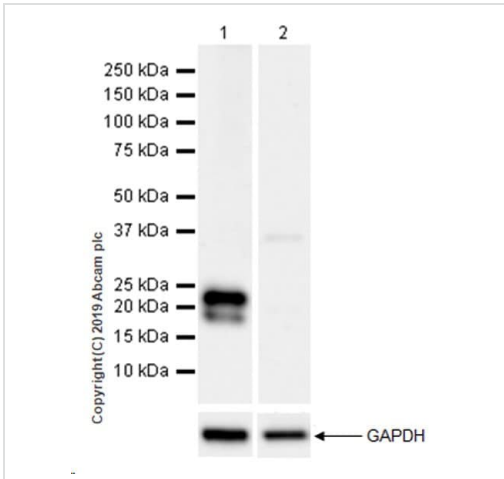
組織特異性 Secreted in plasma.

配列類似性 Belongs to the glutathione peroxidase family.

翻訳後修飾 The N-terminus is blocked.

細胞内局在 Secreted.

画像



Western blot - Anti-Glutathione Peroxidase 3/GPx-3 antibody [EPR22815-112] (ab256470)

All lanes : Anti-Glutathione Peroxidase 3/GPx-3 antibody [EPR22815-112] (ab256470) at 1/1000 dilution

Lane 1 : Mouse kidney lysate

Lane 2 : Mouse liver lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 25 kDa

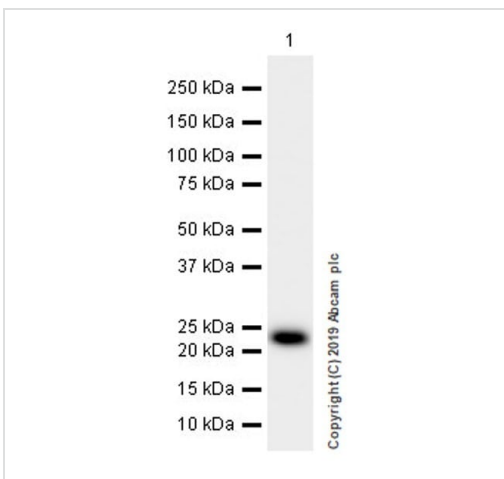
Observed band size: 22-24 kDa

Exposure time: 48 seconds

The expression profile/ molecular weight observed is consistent with what has been described in the literature (PMID: 20015939).

The 22-KDa band represents another Gpx3 isoform.

Negative control: Mouse liver (PMID: 15294905).



Western blot - Anti-Glutathione Peroxidase 3/GPx-3 antibody [EPR22815-112] (ab256470)

Anti-Glutathione Peroxidase 3/GPx-3 antibody [EPR22815-112] (ab256470) at 1/1000 dilution (Purified) + Rat kidney lysate at 10 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

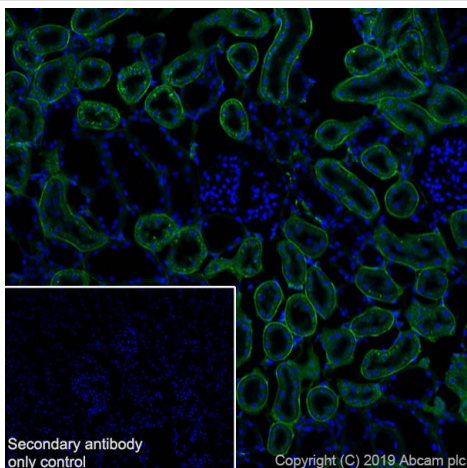
Predicted band size: 25 kDa

Observed band size: 24 kDa

Exposure time: 26 seconds

Blocking and dilution buffer: 5% NFDm/TBST.

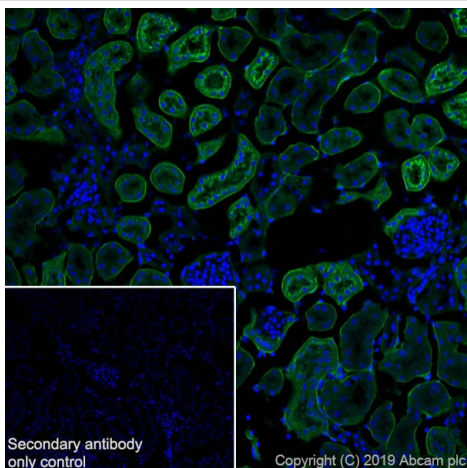
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Immunohistochemistry (Frozen sections) - Anti-Glutathione Peroxidase 3/GPx-3 antibody [EPR22815-112] (ab256470)

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen rat kidney tissue labeling Glutathione Peroxidase 3/GPx-3 with ab256470 at 1/100 (4.80 µg/ml) dilution followed by **ab150077** AlexaFluor® 488 Goat anti-Rabbit secondary at 1/1000 (2 µg/ml) dilution. The nuclear counterstain was DAPI (Blue). Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20). Positive staining on rat kidney (PMID: 21493731) is observed.

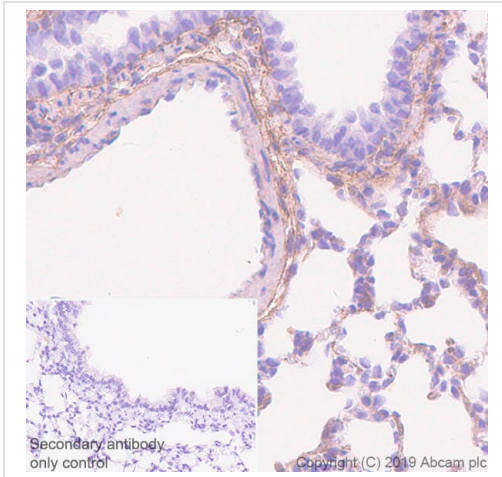
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody was **ab150077** AlexaFluor® 488 Goat anti-Rabbit secondary at 1/1000 (2 µg/ml) dilution.



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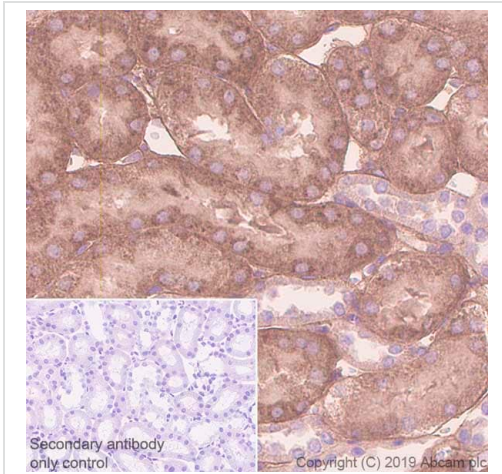
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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Glutathione Peroxidase 3/GPx-3 antibody [EPR22815-112] (ab256470)

Immunohistochemical analysis of paraffin-embedded rat lung tissue labeling Glutathione Peroxidase 3/GPx-3 with ab256470 at 1/500 dilution (0.96µg/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)). Positive staining on rat lung (PMID: 22355371) is observed. The section was incubated with ab256470 for 15 mins at RT. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with hematoxylin. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

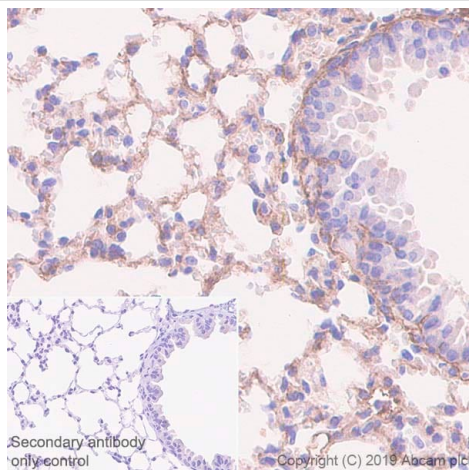
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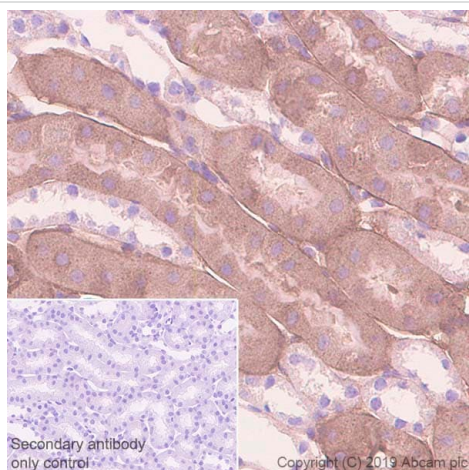
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Why choose a recombinant antibody?



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-Glutathione Peroxidase 3/GPx-3 antibody
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