

Anti-GCLM antibody [EPR6667] ab126704

KO 評価済 リコンビナント RabMAb

★★★★★ **2 Abreviews** **33 References** 画像数 7

製品の概要

製品名	Anti-GCLM antibody [EPR6667]
製品の詳細	Rabbit monoclonal [EPR6667] to GCLM
由来種	Rabbit
アプリケーション	適用あり: WB, IP, IHC-P 適用なし: Flow Cyt
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide within Human GCLM aa 50-150. The exact sequence is proprietary.
ポジティブ・コントロール	IHC: Rat liver tissue; Mouse cardiac muscle tissue; Human bladder cancer tissue WB: HeLa, NIH/3T3, PC-12; Wild-type HAP1 whole cell lysate, HeLa cell lysate IP: HeLa cells
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 -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.20 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	EPR6667
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ab126704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	★★★★★ (2)	1/1000 - 1/10000. Predicted molecular weight: 31 kDa.
IP		1/10 - 1/100.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

追加情報 Is unsuitable for Flow Cyt.

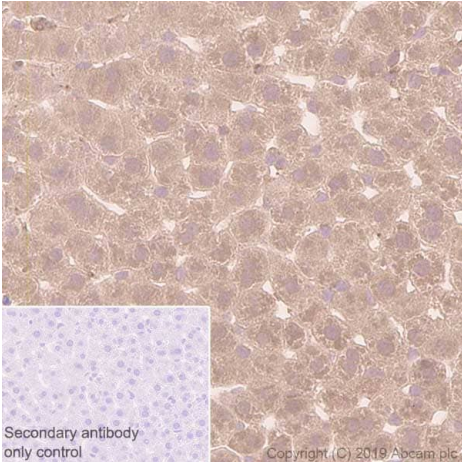
ターゲット情報

組織特異性 In all tissues examined. Highest levels in skeletal muscle.

パスウェイ Sulfur metabolism; glutathione biosynthesis; glutathione from L-cysteine and L-glutamate: step 1/2.

配列類似性 Belongs to the aldo/keto reductase family. Glutamate--cysteine ligase light chain subfamily.

画像

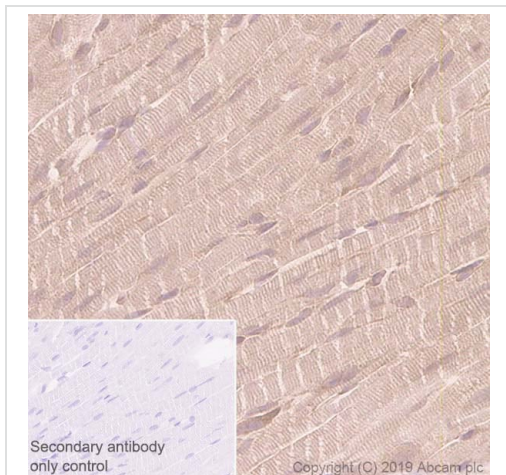


Secondary antibody only control

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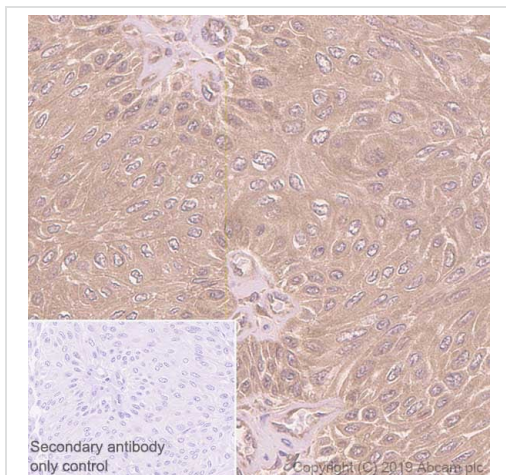
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GCLM antibody [EPR6667] (ab126704)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Rat liver tissue sections labeling GCLM with purified ab126704 at 1/50 dilution (2.4 µg/mL). Perform heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



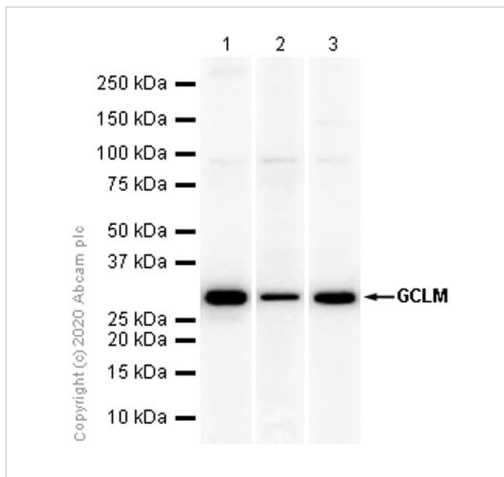
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Mouse cardiac muscle tissue sections labeling GCLM with purified ab126704 at 1/50 dilution (2.4 µg/mL). Perform heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GCLM antibody
[EPR6667] (ab126704)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human bladder cancer tissue sections labeling GCLM with purified ab126704 at 1/50 dilution (2.4 µg/mL). Perform heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GCLM antibody
[EPR6667] (ab126704)



Western blot - Anti-GCLM antibody [EPR6667]
(ab126704)

Lanes 1 & 3 : Anti-GCLM antibody [EPR6667] (ab126704) at 1/10000 dilution (Purified)

Lane 2 : Anti-GCLM antibody [EPR6667] (ab126704) at 1/10000 dilution

Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate

Lane 2 : NIH/3T3 (Mouse embryonic fibroblast) whole cell lysate

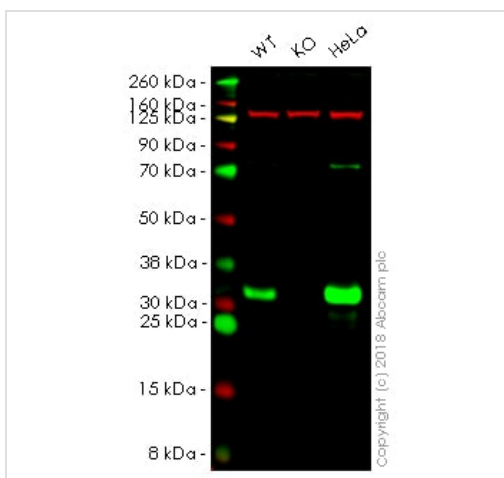
Lane 3 : PC-12 (Rat adrenal gland pheochromocytoma) whole cell lysate

Secondary

Lanes 1 & 3 : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Lane 2 : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

Predicted band size: 31 kDa



Western blot - Anti-GCLM antibody [EPR6667]
(ab126704)

All lanes : Anti-GCLM antibody [EPR6667] (ab126704) at 1 µg/ml

Lane 1 : Wild-type HAP1 whole cell lysate

Lane 2 : GCLM knockout HAP1 whole cell lysate

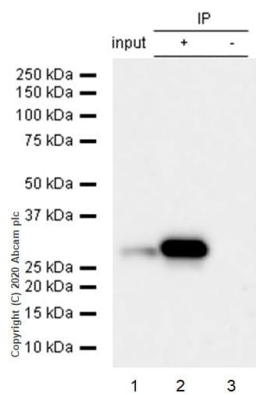
Lane 3 : HeLa whole cell lysate

Lysates/proteins at 20 µg per lane.

Predicted band size: 31 kDa

Lanes 1 - 3: Merged signal (red and green). Green - ab126704 observed at 31 kDa. Red - loading control, [ab130007](#), observed at 130 kDa.

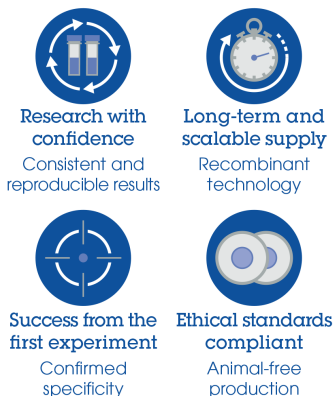
ab126704 was shown to recognize GCLM in wild-type HAP1 cells as signal was lost at the expected MW in GCLM knockout cells. Additional cross-reactive bands were observed in the wild-type and knockout cells. Wild-type and GCLM knockout samples were subjected to SDS-PAGE. Ab126704 and **ab130007** (Mouse anti-Vinculin loading control) were incubated overnight at 4°C at 1 µg/ml 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.



Immunoprecipitation - Anti-GCLM antibody
[EPR6667] (ab126704)

Purified ab126704 at 1/20 dilution (0.6µg) immunoprecipitating GCLM in HeLa whole cell lysate.
Lane 1 (input): HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate 10µg
Lane 2 (+): ab126704 + HeLa whole cell lysate.
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab126704 in HeLa whole cell lysate.
VeriBlot for IP Detection Reagent (HRP) (**ab131366**) (1/5000 dilution) was used for Western blotting.
Blocking Buffer and concentration: 5% NFDm/TBST.
Diluting buffer and concentration: 5% NFDm/TBST.
Observed band size: 31 kDa

Why choose a
recombinant antibody?



Anti-GCLM antibody [EPR6667] (ab126704)

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