abcam

Product datasheet

Anti-GC1q R antibody [EPR23238-6] ab270033

リコンビナント RabMAb

1 References 画像数 7

製品の概要

製品名	Anti-GC1q R antibody [EPR23238-6]
製品の詳細	Rabbit monoclonal [EPR23238-6] to GC1q R
由来種	Rabbit
アプリケーション	**適用あり:** Flow Cyt (Intra), ICC/IF, WB, IHC-P **適用なし:** IP
種交差性	**交差種:** Human
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: HeLa, A549, MCF7 and WI-38 cell lysate; Human lung cancer and spleen tissue lysate. IHC-P: Human cerebral cortex tissue. ICC/IF: A549 and HeLa cells. Flow: HeLa cells.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: - 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	EPR23238-6

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ab270033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
Flow Cyt (Intra)		1/600.
ICC/IF		1/500.
WB		1/1000. Predicted molecular weight: 31 kDa.
IHC-P		1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

追加情報 Is unsuitable for IP.

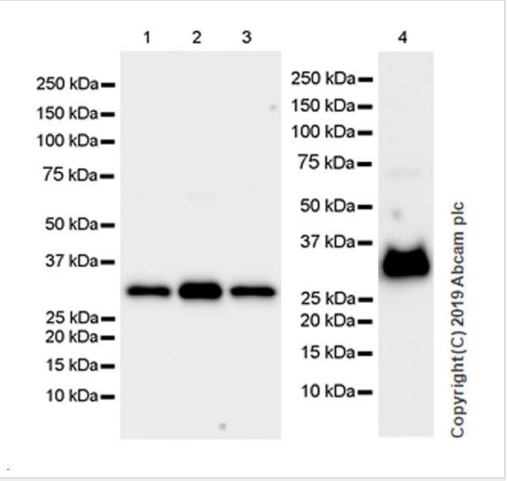
ターゲット情報

機能 Binds to the globular "heads" of C1Q thus inhibiting C1 activation.

配列類似性 Belongs to the MAM33 family.

細胞内局在 Mitochondrion matrix. Nucleus. Might also be nuclear in some cell types.

画像



Western blot - Anti-GC1q R antibody [EPR23238-6] (ab270033)

All lanes : Anti-GC1q R antibody [EPR23238-6] (ab270033) at 1/1000 dilution

Lane 1 : HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysate
Lane 2 : A549 (human lung carcinoma epithelial cell) whole cell lysate
Lane 3 : MCF7 (human breast adenocarcinoma epithelial cell) whole cell lysate
Lane 4 : WI-38 (human fetal lung fibroblast) whole cell lysate

Lysates/proteins at 20 µg per lane.

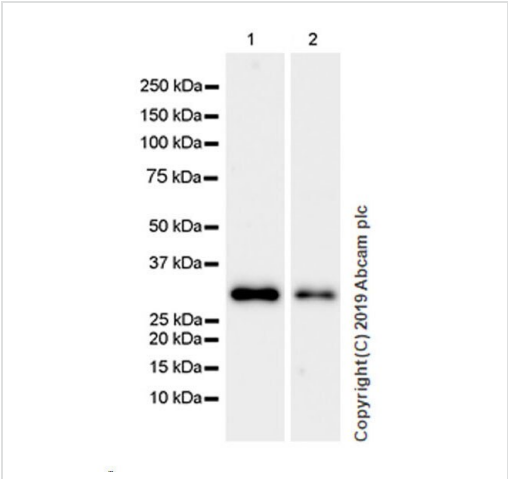
Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 31 kDa

The expression profile/ molecular weight observed is consistent with what has been described in the literature (PMID: 20100866).

Blocking/diluting buffer and concentration: 5% NFDM/TBST.

Exposure time: Lanes 1-3: 15 secs; Lane 4: 3 secs.



Western blot - Anti-GC1q R antibody [EPR23238-6] (ab270033)

All lanes : Anti-GC1q R antibody [EPR23238-6] (ab270033) at 1/1000 dilution

Lane 1 : Human lung cancer tissue lysate
Lane 2 : Human spleen tissue lysate

Lysates/proteins at 20 µg per lane.

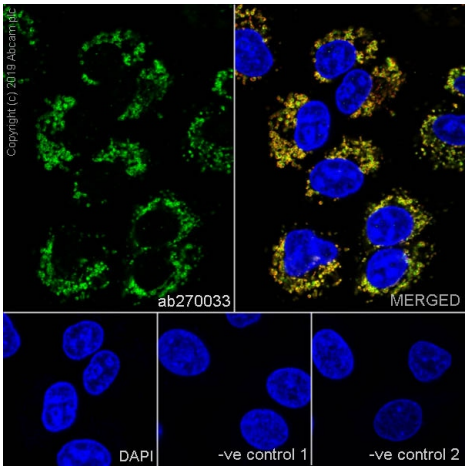
Secondary
All lanes : VeriBlot for IP Detection Reagent (HRP) (**ab131366**) at 1/1000 dilution

Predicted band size: 31 kDa

The expression profile/ molecular weight observed is consistent with what has been described in the literature (PMID: 20100866).

Blocking/diluting buffer and concentration: 5% NFDM/TBST.

Exposure time: 15 secs.

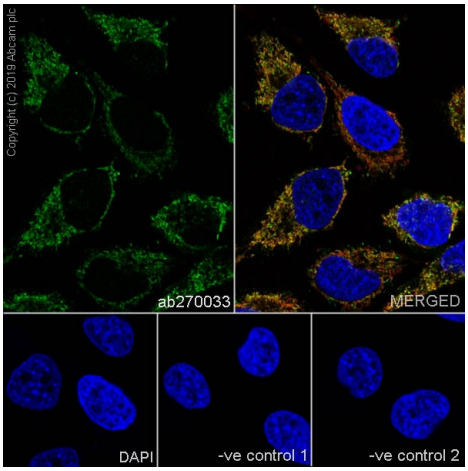


Immunocytochemistry/ Immunofluorescence - Anti-GC1q R antibody [EPR23238-6] (ab270033)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized A549 cells labeling GC1q R with ab270033 at 1/500 dilution, followed by **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) antibody at 1/1000 dilution (Green). Confocal image showing mitochondrial staining in A549 cell line. **ab33985** Anti-COX IV antibody (human) was used to counterstain tubulin at 1/1000 dilution (Red). The nuclear counterstain was DAPI (Blue).

-ve control 1: Stained with ab270033 at 1/500 followed by **ab150120** Goat Anti-Mouse IgG H&L (Alexa Fluor® 594) at a 1/1000 dilution.

-ve control 2: Stained with **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution followed by **ab33985** Anti-COX IV antibody (human) at 1/1000 dilution.

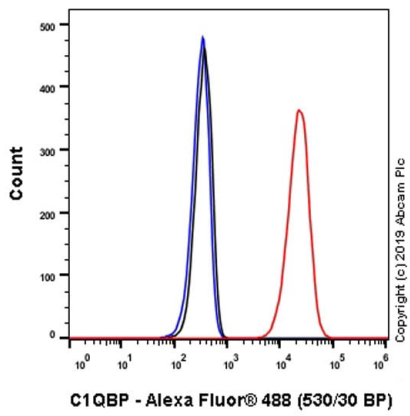


Immunocytochemistry/ Immunofluorescence - Anti-GC1q R antibody [EPR23238-6] (ab270033)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa cells labeling GC1q R with ab270033 at 1/500 dilution, followed by **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) antibody at 1/1000 dilution (Green). Confocal image showing mitochondrial staining in HeLa cell line. **ab33985** Anti-COX IV antibody (human) was used to counterstain tubulin at 1/1000 dilution (Red). The nuclear counterstain was DAPI (Blue).

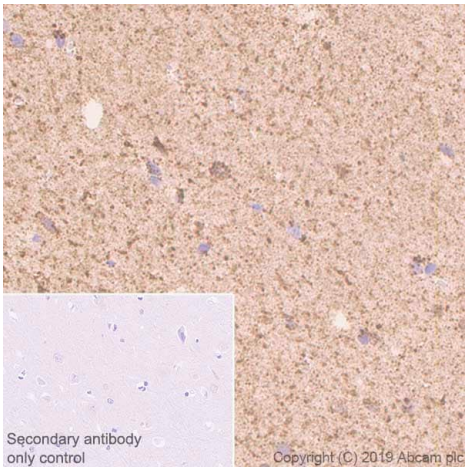
-ve control 1: Stained with ab270033 at 1/500 followed by **ab150120** Goat Anti-Mouse IgG H&L (Alexa Fluor® 594) at a 1/1000 diliution.

-ve control 2: Stained with **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution followed by **ab33985** Anti-COX IV antibody (human) at 1/1000 dilution.



Flow Cytometry (Intracellular) - Anti-GC1q R antibody [EPR23238-6] (ab270033)

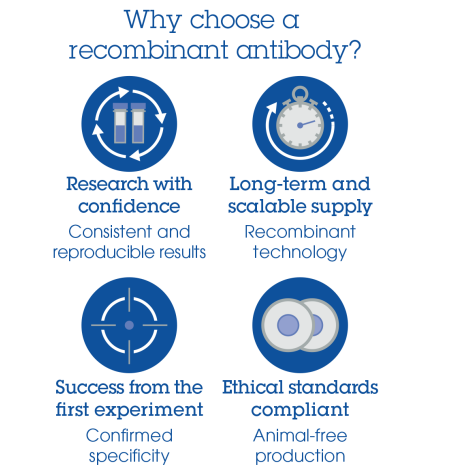
Intracellular flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling GC1q R with ab270033 at 1/600 dilution (0.1µg) (Red) compared with a Rabbit monoclonal IgG (**ab172730**) (Black) isotype control and an unlabeled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) at 1/2000 dilution was used as the secondary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GC1q R antibody [EPR23238-6] (ab270033)

Immunohistochemical analysis of paraffin-embedded human cerebral cortex tissue labeling GC1q R with ab270033 at 1/500 (1.27 µg/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining on human cerebral cortex is observed (PMID: 23924515). The section was incubated with ab270033 for 30 mins at room temperature.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 solution2) for 20 mins.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).



Anti-GC1q R antibody [EPR23238-6] (ab270033)

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