

Anti-RAB8A antibody [EPR14873] ab188574

KO 評価済 リコンビナント RabMAb

★★★★☆ 8 Abreviews 21 References 画像数 10

製品の概要

製品名	Anti-RAB8A antibody [EPR14873]
製品の詳細	Rabbit monoclonal [EPR14873] to RAB8A
由来種	Rabbit
アプリケーション	適用あり: Flow Cyt (Intra), WB, IHC-P, ICC/IF
種交差性	交差種: Mouse, Rat, Human
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, HeLa, 293T, HCT-116, C6, Raw264.7, PC-12 and NIH3T3 lysates and human brain tissue lysate. IHC-P: Human stomach and human adenocarcinoma of colon tissues. ICC/IF: HepG2 cells. Flow Cyt (intra): HeLa cells.
特記事項	<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>

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, 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	EPR14873

アプリケーション

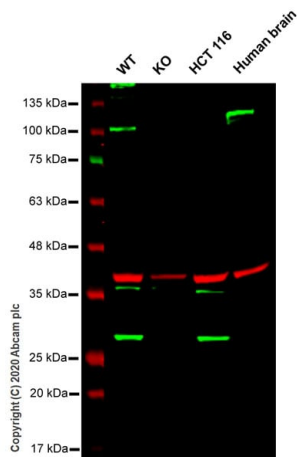
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab188574の使用に適用されます**
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/260. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB	★★★★★ (6)	1/1000 - 1/10000. Detects a band of approximately 24 kDa (predicted molecular weight: 24 kDa).
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF	★★★★★ (2)	1/500.

ターゲット情報

機能	May be involved in vesicular trafficking and neurotransmitter release. Together with RAB11A, RAB3IP, the exocyst complex, PARD3, PRKCI, ANXA2, CDC42 and DNMBP promotes transcytosis of PODXL to the apical membrane initiation sites (AMIS), apical surface formation and lumenogenesis. Together with MYO5B and RAB11A participates in epithelial cell polarization.
配列類似性	Belongs to the small GTPase superfamily. Rab family.
細胞内局在	Cell membrane. Golgi apparatus. Cytoplasm > perinuclear region. Cell projection. Colocalizes with OPTN at the Golgi complex and in vesicular structures close to the plasma membrane. In the GDP-bound form, present in the perinuclear region. Shows a polarized distribution to distal regions of cell protrusions in the GTP-bound form. Colocalizes with PARD3, PRKCI, EXOC5, OCLN, PODXL and RAB11A in apical membrane initiation sites (AMIS) during the generation of apical surface and lumenogenesis.

画像



Western blot - Anti-RAB8A antibody [EPR14873] (ab188574)

All lanes : Anti-RAB8A antibody [EPR14873] (ab188574) at 1/1000 dilution

- Lane 1** : Wild-type HeLa cell lysate
- Lane 2** : RAB8A knockout HeLa cell lysate
- Lane 3** : HCT116 cell lysate
- Lane 4** : Human brain tissue lysate

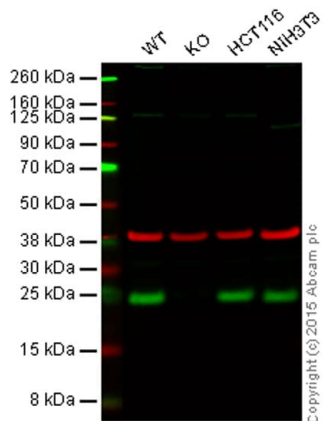
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 24 kDa
Observed band size: 24 kDa

Lanes 1-4: Merged signal (red and green). Green - ab188574 observed at 24 kDa. Red - loading control, **ab8245** observed at 37 kDa.

ab188574 Anti-RAB8A antibody [EPR14873] was shown to specifically react with RAB8A in wild-type HeLa cells. Loss of signal was observed when knockout cell line **ab264993** (knockout cell lysate **ab257195**) was used. Wild-type and RAB8A knockout samples were subjected to SDS-PAGE. ab188574 and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated overnight at 4°C 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 10000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-RAB8A antibody [EPR14873] (ab188574)

All lanes : Anti-RAB8A antibody [EPR14873] (ab188574) at 1/1000 dilution

Lane 1 : Wild-type HAP1 cell lysate

Lane 2 : RAB8A knockout HAP1 cell lysate

Lane 3 : HCT116 cell lysate

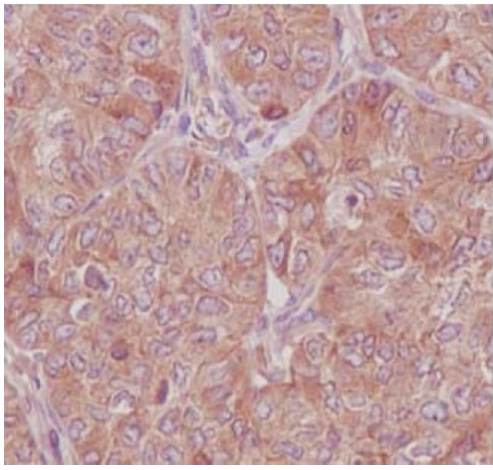
Lane 4 : NIH/3T3 cell lysate

Lysates/proteins at 20 µg per lane.

Predicted band size: 24 kDa

Lanes 1 - 4: Merged signal (red and green). Green - ab188574 observed at 24 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

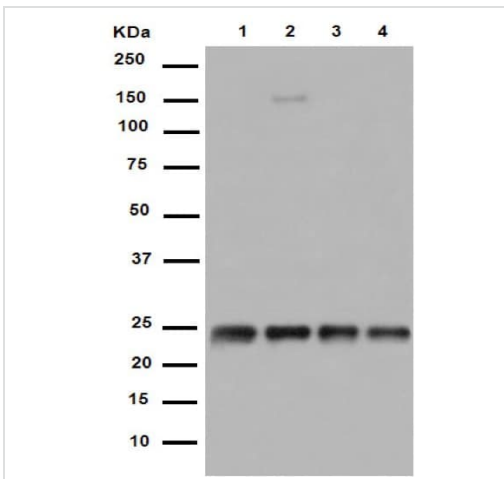
ab188574 was shown to specifically react with RAB8A when RAB8A knockout samples were used. Wild-type and RAB8A knockout samples were subjected to SDS-PAGE. ab188574 and **ab8245** (loading control to GAPDH) were diluted 1/1000 and 1/2000 and incubated overnight at 4°C. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1/10 000 dilution for 1 h at room temperature before imaging.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RAB8A antibody [EPR14873] (ab188574)

Immunohistochemical analysis of paraffin-embedded Human adenocarcinoma of colon tissue labelling RAB8A with ab188574 at 1/500. A prediluted HRP Polymer for Rabbit IgG was used as the secondary antibody. Counter stained with Hematoxylin.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-RAB8A antibody [EPR14873] (ab188574)

All lanes : Anti-RAB8A antibody [EPR14873] (ab188574) at 1/1000 dilution

Lane 1 : C6 lysate

Lane 2 : RAW264.7 lysate

Lane 3 : PC-12 lysate

Lane 4 : NIH3T3 lysate

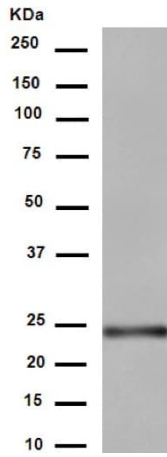
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 24 kDa

Observed band size: 24 kDa



Western blot - Anti-RAB8A antibody [EPR14873]
(ab188574)

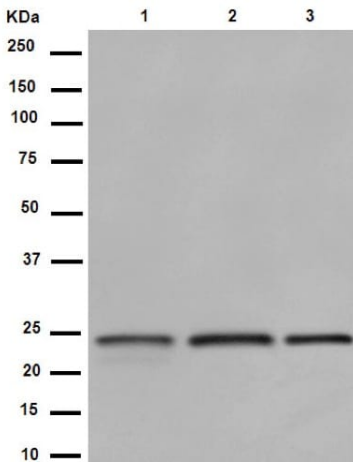
Anti-RAB8A antibody [EPR14873] (ab188574) at 1/1000 dilution +
HCT-116 lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated

Predicted band size: 24 kDa

Observed band size: 24 kDa



Western blot - Anti-RAB8A antibody [EPR14873]
(ab188574)

All lanes : Anti-RAB8A antibody [EPR14873] (ab188574) at
1/10000 dilution

Lane 1 : HepG2 lysate

Lane 2 : HeLa lysate

Lane 3 : 293T lysate

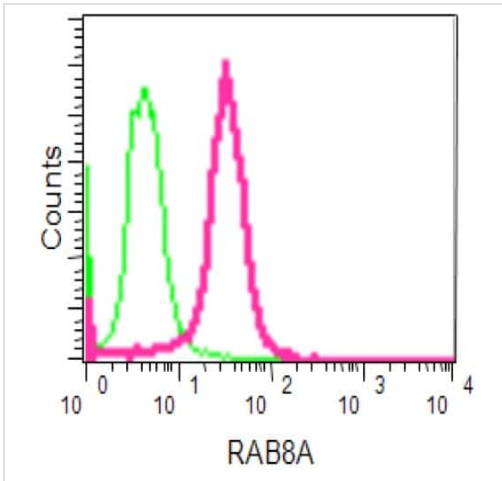
Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at
1/1000 dilution

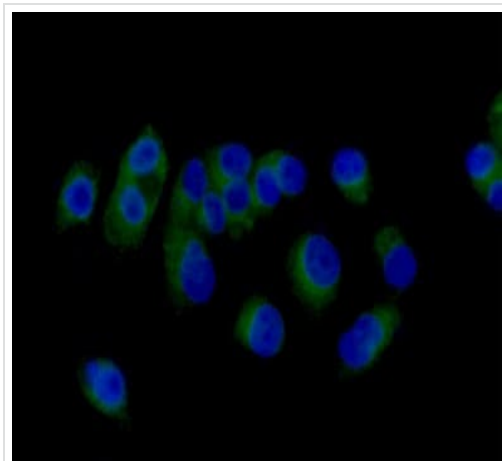
Predicted band size: 24 kDa

Observed band size: 24 kDa



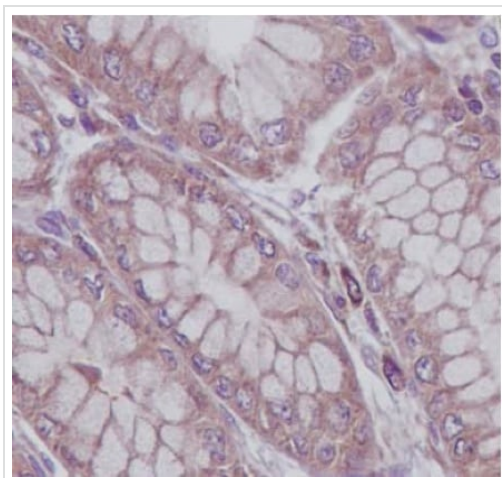
Flow Cytometry (Intracellular) - Anti-RAB8A antibody [EPR14873] (ab188574)

Intracellular flow cytometrical analysis of HeLa cells labeling RAB8A with ab188574 at 1/260 (pink) compared to a Isotype control (green). FITC-conjugated goat-anti-rabbit secondary antibody at 1/150 were used for the analysis.



Immunocytochemistry/ Immunofluorescence - Anti-RAB8A antibody [EPR14873] (ab188574)

Immunofluorescent analysis of 4% paraformaldehyde-fixed HepG2 cells labelling RAB8A with ab188574 at 1/500 followed by Goat anti rabbit IgG (Alexa Fluor® 488) and DAPI staining.







Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RAB8A antibody [EPR14873] (ab188574)

Immunohistochemical analysis of paraffin-embedded Human stomach tissue labeling RAB8A with ab188574 at 1/500. A prediluted HRP Polymer for Rabbit IgG was used as the secondary antibody. Counter stained with Hematoxylin.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

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-RAB8A antibody [EPR14873] (ab188574)

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