

Anti-Rab5 antibody [EPR5438] - Early Endosome Marker ab109534

KO 評価済 リコンビナント RabMAb

★★★★☆ 9 Abreviews 15 References 画像数 8

製品の概要

製品名	Anti-Rab5 antibody [EPR5438] - Early Endosome Marker
製品の詳細	Rabbit monoclonal [EPR5438] to Rab5 - Early Endosome Marker
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P 適用なし: Flow Cyt, ICC/IF or IP
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	293T, HeLa and Jurkat whole cell lysate (ab7899); Human brain tissue.
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 -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS, 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	EPR5438
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ab109534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。

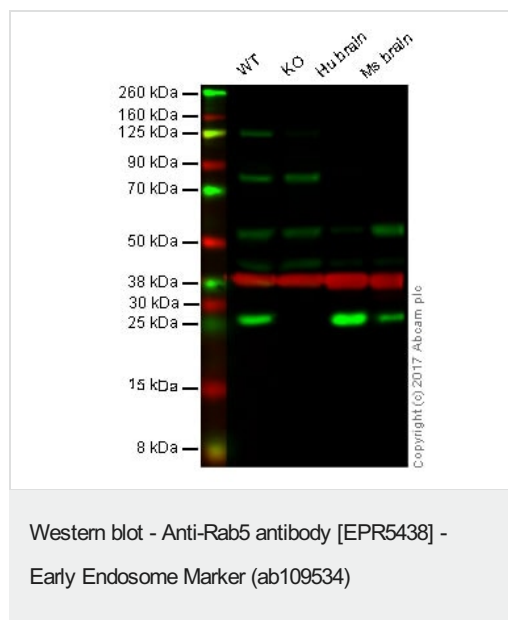
アプリケーション	Abreviews	特記事項
WB	★★★★★ (5)	1/1000 - 1/10000. Predicted molecular weight: 24 kDa.
IHC-P	★★★★★ (1)	1/100 - 1/250. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.

追加情報 Is unsuitable for Flow Cyt, ICC/IF or IP.

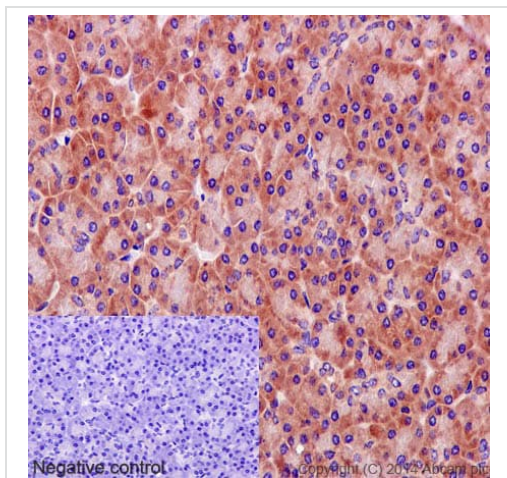
ターゲット情報

機能 Required for the fusion of plasma membranes and early endosomes.
配列類似性 Belongs to the small GTPase superfamily. Rab family.
細胞内局在 Cell membrane. Early endosome membrane. Melanosome. Enriched in stage I melanosomes.

画像

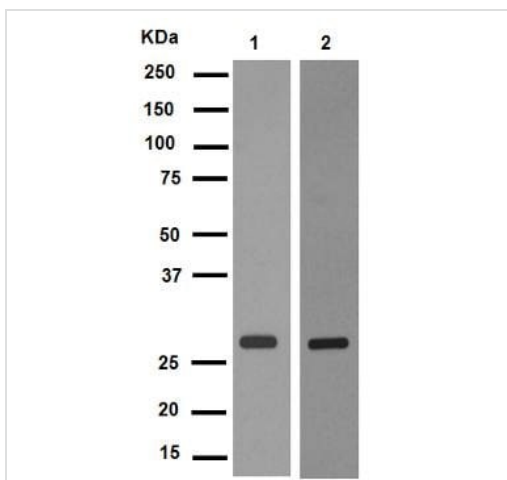


Lane 1: Wild type HAP1 whole cell lysate (20 µg)
Lane 2: Rab5 knockout HAP1 whole cell lysate (20 µg)
Lane 3: Hu brain whole cell lysate (20 µg)
Lane 4: Ms brain whole cell lysate (20 µg)
Lanes 1 - 4: Merged signal (red and green). Green - ab109534 observed at 25 kDa. Red - loading control, **ab8245**, observed at 37 kDa.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Rab5 antibody [EPR5438] - Early Endosome Marker (ab109534)

Immunohistochemical staining of paraffin embedded human pancreas with purified ab109534 at a working dilution of 1 in 1000. The secondary antibody used is a HRP polymer for rabbit IgG. The sample is counter-stained with hematoxylin. Antigen retrieval was performed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.



Western blot - Anti-Rab5 antibody [EPR5438] - Early Endosome Marker (ab109534)

All lanes : Anti-Rab5 antibody [EPR5438] - Early Endosome Marker (ab109534) at 1/5000 dilution (purified)

Lane 1 : Mouse brain

Lane 2 : Rat brain

Lysates/proteins at 10 µg per lane.

Secondary

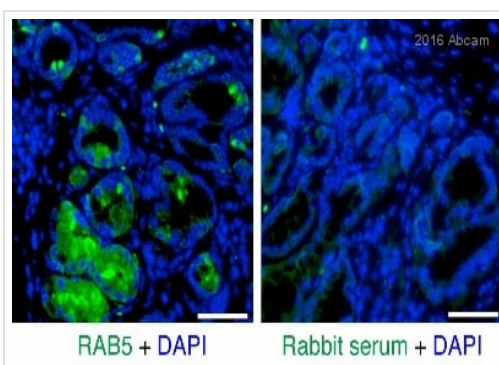
All lanes : HRP goat anti-rabbit (H+L) at 1/1000 dilution

Predicted band size: 24 kDa

Observed band size: 24 kDa

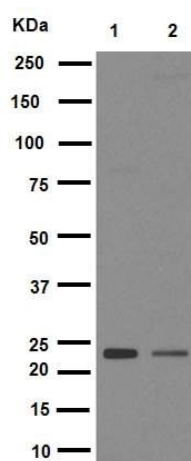
Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Rab5 antibody
[EPR5438] - Early Endosome Marker (ab109534)
This image is courtesy of an anonymous abreview.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Pancreas tissue sections (with ADM and PanIN lesions) from KC mice labeling Rab5 with ab109534 at 1/200 dilution. Tissue was fixed with paraformaldehyde and permeabilized with TritonX100 0.1% for 10 min at room temperature. Heat-mediated antigen retrieval was performed using TRIS-EDTA pH9 buffer. Tissue sections were blocked with 10% goat serum for 1 hour at 20°C. A polyclonal goat anti-rabbit Alexa Fluor 488 secondary antibody was used at 1/500 dilution.



Western blot - Anti-Rab5 antibody [EPR5438] - Early Endosome Marker (ab109534)

All lanes : Anti-Rab5 antibody [EPR5438] - Early Endosome Marker (ab109534) at 1/5000 dilution (purified)

Lane 1 : MCF7 cell lysate

Lane 2 : HEK293 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

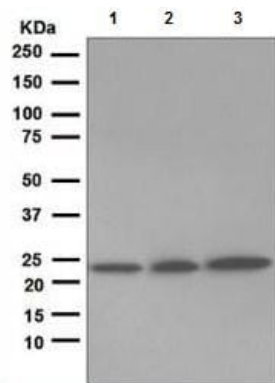
All lanes : HRP goat anti-rabbit (H+L) at 1/1000 dilution

Predicted band size: 24 kDa

Observed band size: 24 kDa

Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Western blot - Anti-Rab5 antibody [EPR5438] - Early Endosome Marker (ab109534)

All lanes : Anti-Rab5 antibody [EPR5438] - Early Endosome Marker (ab109534) at 1/1000 dilution (unpurified)

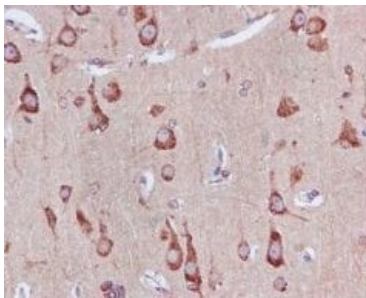
Lane 1 : 293T cell lysate

Lane 2 : HeLa cell lysate

Lane 3 : Jurkat cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 24 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Rab5 antibody [EPR5438] - Early Endosome Marker (ab109534)

Immunohistochemical staining of Rab5 in paraffin embedded human brain tissue with unpurified ab109534, at 1/100 dilution.

Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.

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-Rab5 antibody [EPR5438] - Early Endosome
Marker (ab109534)

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