

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











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概述

产品名称	Anti-Rab5抗体[EPR5438] - Early Endosome Marker
描述	兔单克隆抗体[EPR5438] to Rab5 - Early Endosome Marker
宿主	Rabbit
经测试应用	适用于: WB, IHC-P 不适用于: Flow Cyt, ICC/IF or IP
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	293T, HeLa and Jurkat whole cell lysate (ab7899); Human brain tissue.
常规说明	<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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS, 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR5438
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab109534于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
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.

应用说明 Is unsuitable for Flow Cyt, ICC/IF or IP.

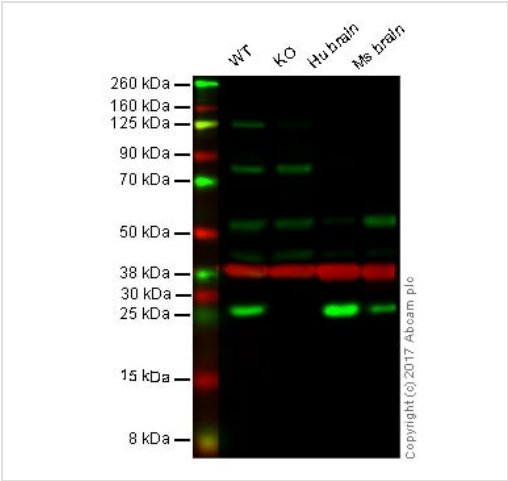
靶标

功能 Required for the fusion of plasma membranes and early endosomes.

序列相似性 Belongs to the small GTPase superfamily. Rab family.

细胞定位 Cell membrane. Early endosome membrane. Melanosome. Enriched in stage I melanosomes.

图片



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

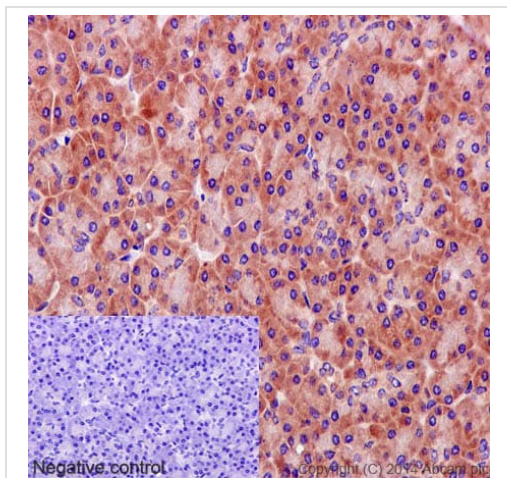
Lane 1: Wild type HAP1 whole cell lysate (20 µg)

Lane 2: Rab5 knockout HAP1 whole cell lysate (20 µg)

Lane 3: Hu brain whole cell lysate (20 µg)

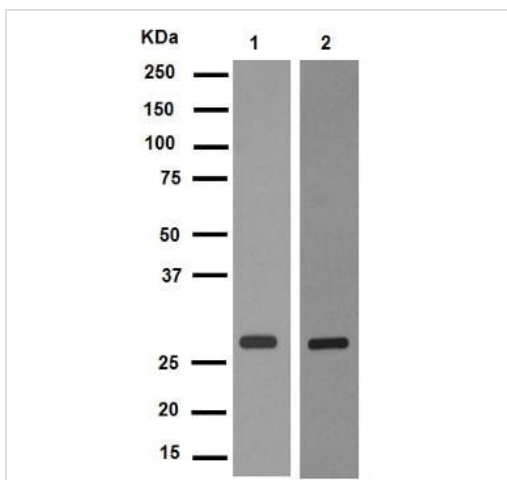
Lane 4: Ms brain whole cell lysate (20 µg)

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

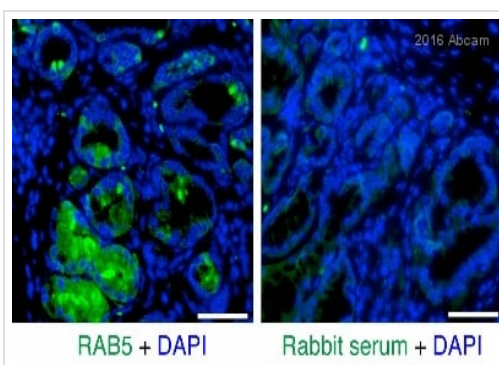
All lanes : HRP goat anti-rabbit (H+L) at 1/1000 dilution

Predicted band size: 24 kDa

Observed band size: 24 kDa

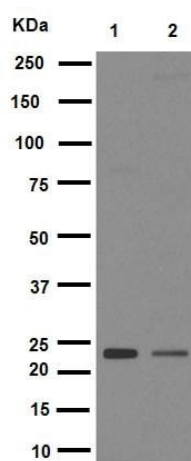
Blocking buffer: 5% NFDM/TBST

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

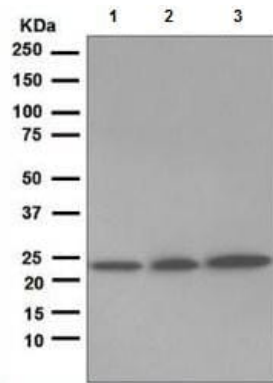
All lanes : HRP goat anti-rabbit (H+L) at 1/1000 dilution

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)

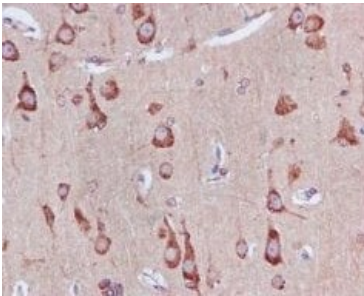
Lane 1 : 293T cell lysate

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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