

Anti-Rab5A antibody [3A4] - Early Endosome Marker ab66746

敲除验证

★★★★★ [1 Abreviews](#) [9 References](#) [3 图像](#)

概述

产品名称	Anti-Rab5A抗体[3A4] - Early Endosome Marker
描述	小鼠单克隆抗体[3A4] to Rab5A - Early Endosome Marker
宿主	Mouse
经测试应用	适用于: WB 不适用于: ICC/IF
种属反应性	与反应: Mouse, Human
免疫原	Recombinant fragment corresponding to Human Rab5a aa 1-250.
阳性对照	WB: Extracts of mouse and human brain. ICC/IF: U87MG cells.
常规说明	<p>This product was changed from ascites to tissue culture supernatant on 24/01/2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.40 Preservative: 0.1% Sodium azide Constituent: PBS
纯度	Protein G purified
克隆	单克隆
克隆编号	3A4

骨髓瘤	Sp2/0
同种型	IgG2b
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab66746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		Use at an assay dependent concentration. Detects a band of approximately 24 kDa (predicted molecular weight: 24 kDa).

应用说明 Is unsuitable for ICC/IF.

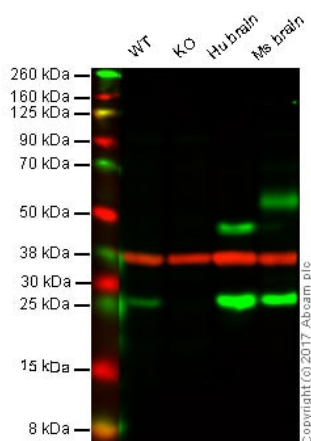
靶标

功能 The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. RAB5A is required for the fusion of plasma membranes and early endosomes (PubMed:10818110, PubMed:14617813, PubMed:16410077, PubMed:15378032). Contributes to the regulation of filopodia extension (PubMed:14978216). Required for the exosomal release of SDCBP, CD63, PDCD6IP and syndecan (PubMed:22660413). Regulates maturation of apoptotic cell-containing phagosomes, probably downstream of DYN2 and PIK3C3.

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

细胞定位 Cell membrane. Early endosome membrane. Melanosome. Cytoplasmic vesicle. Cell projection, ruffle. Membrane. Cytoplasm, cytosol. Cytoplasmic vesicle, phagosome membrane. Enriched in stage I melanosomes (PubMed:17081065). Alternates between membrane-bound and cytosolic forms (Probable).

图片



Western blot - Anti-Rab5 antibody [3A4] - Drosophila
Early Endosome Marker (ab66746)

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

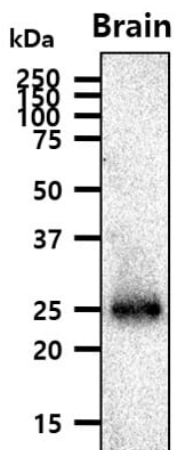
Lane 2: Rab5 knockout HAP1 whole cell lysate (20 μ g)

Lane 3: Hu brain whole cell lysate (20 μ g)

Lane 4: Ms brain whole cell lysate (20 μ g)

Lanes 1 - 4: Merged signal (red and green). Green - ab66746 observed at 25 kDa. Red - loading control, [ab181602](#), observed at 37 kDa.

This image was produced using the ascites version of this antibody.



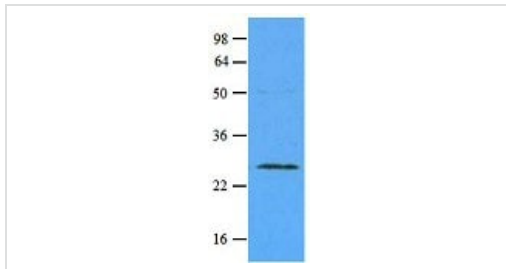
Western blot - Anti-Rab5 antibody [3A4] - Drosophila
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Anti-Rab5A antibody [3A4] - Early Endosome Marker (ab66746) at 1/500 dilution + mouse brain at 45 μ g

Secondary

goat anti-mouse secondary antibody conjugated to HRP

Predicted band size: 24 kDa



Western blot - Anti-Rab5 antibody [3A4] - Drosophila
Early Endosome Marker (ab66746)

Anti-Rab5A antibody [3A4] - Early Endosome Marker (ab66746) at
1/500 dilution + extracts of mouse brain at 45 µg

Secondary

HRP-conjugated goat anti-mouse

Developed using the ECL technique.

Predicted band size: 24 kDa

Observed band size: 24 kDa

This image was produced using the ascites version of this antibody.

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