


### Anti-Rab5A antibody - C-terminal ab228770

#### 4 图像

#### 概述

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产品名称	Anti-Rab5A抗体- C-terminal
描述	兔多克隆抗体to Rab5A - C-terminal
宿主	Rabbit
经测试应用	适用于: WB, IP, IHC-P
种属反应性	与反应: Mouse, Human 预测可用于: Rat, Dog, Rhesus monkey 
免疫原	Synthetic peptide within Human Rab5A (C terminal). The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <b>contact</b> our Scientific Support team to discuss your requirements. (Carrier-protein conjugated). Database link: <a href="#">P20339</a>
阳性对照	WB: A431 and Raji whole cell lysate; Mouse brain lysate. IP: HeLa whole cell lysate. IHC-P: U-87 MG xenograft.
常规说明	<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&amp;As</p>

#### 性能

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形式	Liquid
存放说明	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.
存储溶液	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 79.99% PBS, 20% Glycerol (glycerin, glycerine)
纯度	Immunogen affinity purified
克隆	多克隆

## 应用

**The Abpromise guarantee**      **Abpromise™**承诺保证使用ab228770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		1/500 - 1/3000. Predicted molecular weight: 24 kDa.
IP		1/100 - 1/500.
IHC-P		1/100 - 1/1000.

## 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.

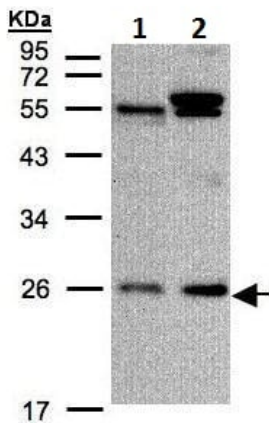
## 序列相似性

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-Rab5A antibody - C-terminal (ab228770)

**All lanes :** Anti-Rab5A antibody - C-terminal (ab228770) at 1/1000 dilution

**Lane 1 :** A431 (human epidermoid carcinoma cell line) whole cell lysate

**Lane 2 :** Raji (human Burkitt's lymphoma cell line) whole cell lysate

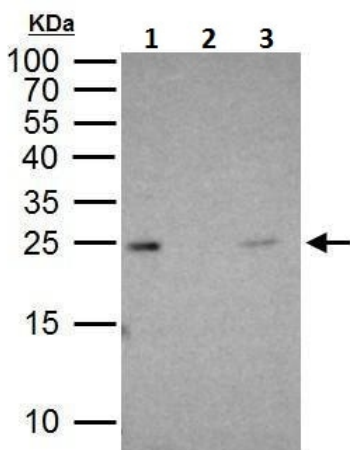
Lysates/proteins at 30 µg per lane.

**Secondary**

**All lanes :** HRP-conjugated anti-rabbit IgG

**Predicted band size:** 24 kDa

12% SDS-PAGE gel.



Immunoprecipitation - Anti-Rab5A antibody - C-terminal (ab228770)

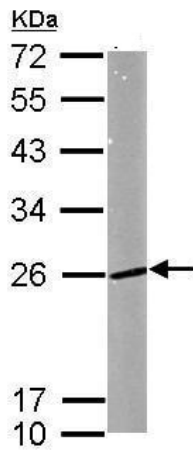
Rab5 was immunoprecipitated from 1 mg of HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate with ab228770. Western blot was performed from the immunoprecipitate using ab228770 at 1/1000 dilution. Anti-rabbit IgG was used as secondary antibody.

Lane 1: HeLa whole cell lysate 30 µg (Input).

Lane 2: Control IP with 2 µg of preimmune rabbit IgG in HeLa whole cell lysate.

Lane 3: ab228770 IP in HeLa whole cell lysate.

15% SDS-PAGE gel.



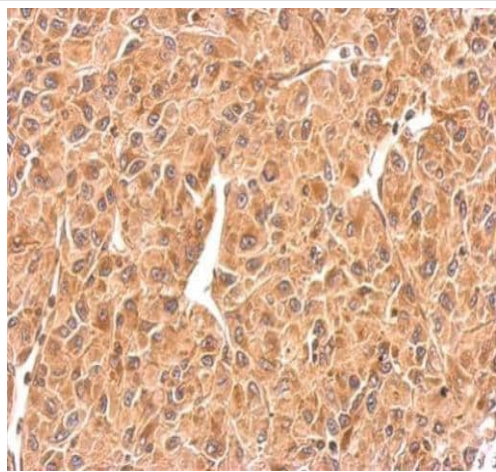
Western blot - Anti-Rab5A antibody - C-terminal (ab228770)

Anti-Rab5A antibody - C-terminal (ab228770) at 1/1000 dilution +  
 Mouse brain lysate at 50 µg

**Secondary**

HRP-conjugated anti-rabbit IgG

**Predicted band size:** 24 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Rab5A antibody - C-terminal (ab228770)

Paraffin-embedded U-87 MG (human glioblastoma-astrocytoma epithelial cell line) xenograft stained for Rab5 using ab228770 at 1/500 dilution in immunohistochemical analysis.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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