

Product datasheet

Anti-Rab11A antibody [EPR7587(B)] ab128913

Recombinant RabMAb

★★★★★ [2 Abreviews](#) [14 References](#) [6 Images](#)

Overview

| | |
|----------------------------|--|
| Product name | Anti-Rab11A antibody [EPR7587(B)] |
| Description | Rabbit monoclonal [EPR7587(B)] to Rab11A |
| Host species | Rabbit |
| Tested applications | Suitable for: WB, IP Unsuitable for: ICC/IF or IHC-P |
| Species reactivity | Reacts with: Mouse, Rat, Human |
| Immunogen | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| Positive control | WB: PC12, HeLa and A549 cells. |
| General notes | This product is a recombinant monoclonal antibody, which offers several advantages including: <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 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 . |

Properties

| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. |
| Storage buffer | pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA |
| Purity | Protein A purified |
| Clonality | Monoclonal |
| Clone number | EPR7587(B) |
| Isotype | IgG |

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab128913 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|--|
| WB | ★★★★★ (1) | 1/10000 - 1/50000. Predicted molecular weight: 24 kDa. |
| IP | | 1/10 - 1/100. |

Application notes

Is unsuitable for ICC/IF or IHC-P.

Target

Function

Regulates endocytic recycling. May exert its functions by interacting with multiple effector proteins in different complexes. Acts as a major regulator of membrane delivery during cytokinesis. Together with MYO5B and RAB8A participates in epithelial cell polarization. Together with RAB3IP, RAB8A, 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 (By similarity). Together with MYO5B participates in CFTR trafficking to the plasma membrane and TF (Transferrin) recycling in nonpolarized cells. Required in a complex with MYO5B and RAB11FIP2 for the transport of NPC1L1 to the plasma membrane. Participates in the sorting and basolateral transport of CDH1 from the Golgi apparatus to the plasma membrane. Regulates the recycling of FCGRT (receptor of Fc region of monomeric Ig G) to basolateral membranes.

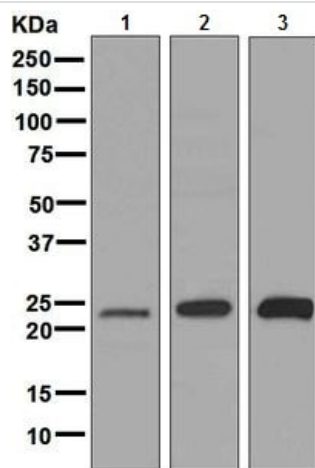
Sequence similarities

Belongs to the small GTPase superfamily. Rab family.

Cellular localization

Cell membrane. Recycling endosome membrane. Cleavage furrow. Translocates with RAB11FIP2 from the vesicles of the endocytic recycling compartment (ERC) to the plasma membrane. Localizes to the cleavage furrow. Colocalizes with PARD3, PRKCI, EXOC5, OCLN, PODXL and RAB8A in apical membrane initiation sites (AMIS) during the generation of apical surface and lumenogenesis.

Images



Western blot - Anti-Rab11A antibody [EPR7587(B)]
(ab128913)

All lanes : Anti-Rab11A antibody [EPR7587(B)] (ab128913) at 1/10000 dilution (unpurified)

Lane 1 : PC12 cell lysate

Lane 2 : HeLa cell lysate

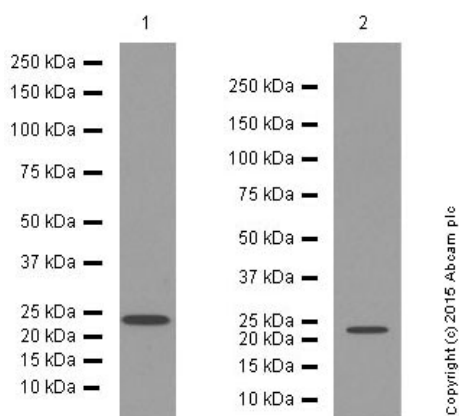
Lane 3 : A549 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 24 kDa



Western blot - Anti-Rab11A antibody [EPR7587(B)]
(ab128913)

All lanes : Anti-Rab11A antibody [EPR7587(B)] (ab128913) at 1/10000 dilution (purified)

Lane 1 : Rat brain lysate

Lane 2 : PC-12 cell lysate

Lysates/proteins at 10 µg per lane.

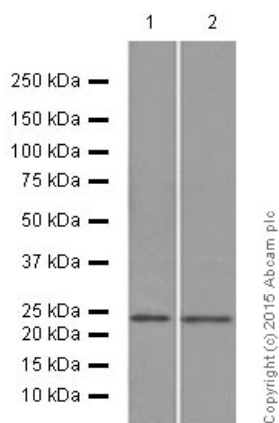
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/10000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

Predicted band size: 24 kDa

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.



Western blot - Anti-Rab11A antibody [EPR7587(B)]
(ab128913)

All lanes : Anti-Rab11A antibody [EPR7587(B)] (ab128913) at 1/10000 dilution (purified)

Lane 1 : Mouse brain cell lysate

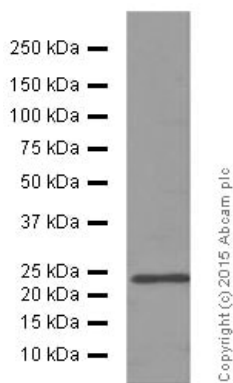
Lane 2 : Mouse spleen lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/10000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

Predicted band size: 24 kDa



Western blot - Anti-Rab11A antibody [EPR7587(B)]
(ab128913)

Anti-Rab11A antibody [EPR7587(B)] (ab128913) at 1/10000 dilution (purified) + A549 cell lysate at 20 µg

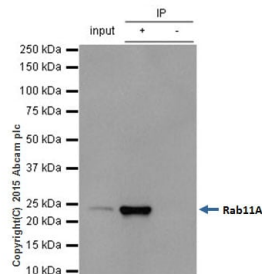
Secondary

Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/10000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

Predicted band size: 24 kDa

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.



Immunoprecipitation - Anti-Rab11A antibody
[EPR7587(B)] (ab128913)

ab128913 (purified) at 1/20 immunoprecipitating Rab11A in A549 whole cell lysate. 10 ug of cell lysate was present in the input. For western blotting, a HRP-conjugated Veriblot for IP Detection Reagent (**ab131366**) (1/10,000) was used for detection. A rabbit monoclonal IgG (**ab172730**) was used instead of ab128913 as a negative control (Lane 3).

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.

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-Rab11A antibody [EPR7587(B)] (ab128913)

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

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