

## Product datasheet

# Anti-RAB11-FIP2 antibody [EPR12294-85] - BSA and Azide free ab232655

Recombinant RabMAb

[5 Images](#)

### Overview

<b>Product name</b>	Anti-RAB11-FIP2 antibody [EPR12294-85] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR12294-85] to RAB11-FIP2 - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Specificity</b>	The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat.
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF, Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Recombinant fragment within Human RAB11-FIP2 aa 250-450. The exact sequence is proprietary. Database link: <a href="#">Q7L804</a>
<b>Positive control</b>	IHC-P: Human colon cancer tissue.
<b>General notes</b>	Ab232655 is the carrier-free version of <a href="#">ab180504</a> . This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.

Our [carrier-free formats](#) are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.

Use our [conjugation kits](#) for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

ab232655 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm.

*Maxpar® is a trademark of Fluidigm Canada Inc.*

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](#).

## Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR12294-85
<b>Isotype</b>	IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab232655** 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		Use at an assay dependent concentration. Predicted molecular weight: 58 kDa.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. We do not guarantee IHC-P for mouse and rat. See <a href="#">IHC antigen retrieval protocols</a> .
ICC/IF		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration.

## Target

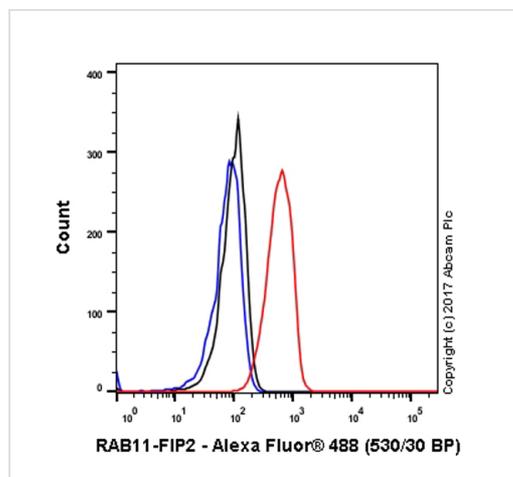
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<b>Function</b>	A Rab11 effector binding preferentially phosphatidylinositol 3,4,5-trisphosphate (PtdInsP3) and phosphatidic acid (PA) and acting in the regulation of the transport of vesicles from the endosomal recycling compartment (ERC) to the plasma membrane. Involved in insulin granule exocytosis. Also involved in receptor-mediated endocytosis and membrane trafficking of recycling endosomes, probably originating from clathrin-coated vesicles. Required in a complex with MYO5B and RAB11 for the transport of NPC1L1 to the plasma membrane. Also acts as a regulator of cell polarity.
<b>Sequence similarities</b>	Contains 1 C2 domain. Contains 1 FIP-RBD domain.
<b>Post-translational modifications</b>	Phosphorylation at Ser-227 by MARK2 regulates epithelial cell polarity.

## Cellular localization

Cell membrane. Recycling endosome membrane. Translocates with RAB11A from the vesicles of the endocytic recycling compartment (ERC) to the plasma membrane.

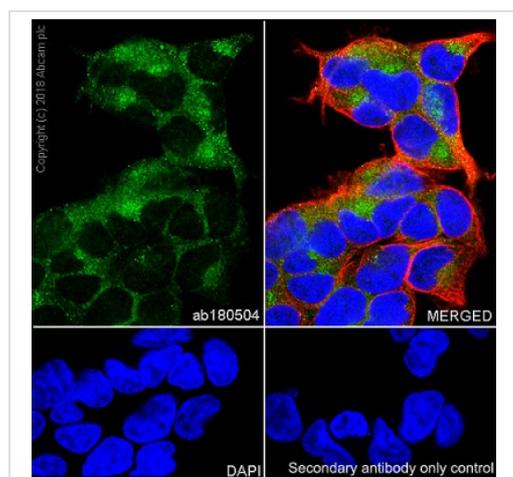
## Images



Flow Cytometry - Anti-RAB11-FIP2 antibody  
[EPR12294-85] - BSA and Azide free (ab232655)

Flow Cytometry analysis of HEK-293 (Human embryonic kidney epithelial cell) cells labeling RAB11-FIP2 with purified [ab180504](#) at 1:50 dilution (10 µg/ml) (red). Cells were fixed with 4% Paraformaldehyde. A Goat anti rabbit IgG (Alexa Fluor® 488) secondary antibody was used at 1:2000 dilution. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).

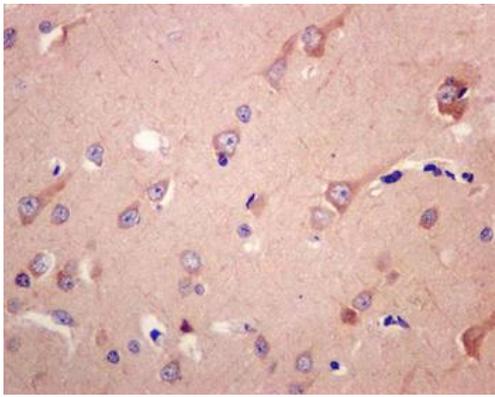
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab180504](#)).



Immunocytochemistry/ Immunofluorescence - Anti-RAB11-FIP2 antibody [EPR12294-85] - BSA and Azide free (ab232655)

Immunocytochemistry/ Immunofluorescence analysis of HEK-293 (human embryonic kidney epithelial cell) cells labeling RAB11-FIP2 with purified [ab180504](#) at 1:100 (5.5 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, [ab150077](#)) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.

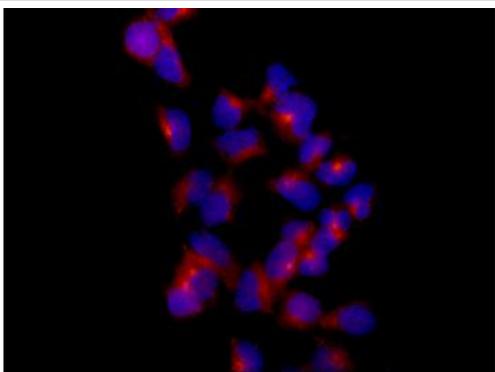
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab180504](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RAB11-FIP2 antibody [EPR12294-85] - BSA and Azide free (ab232655)

Immunohistochemical analysis of paraffin-embedded, Human brain tissue labeling RAB11-FIP2 with unpurified [ab180504](#) at a 1/250 dilution. Counter stained with hematoxylin.

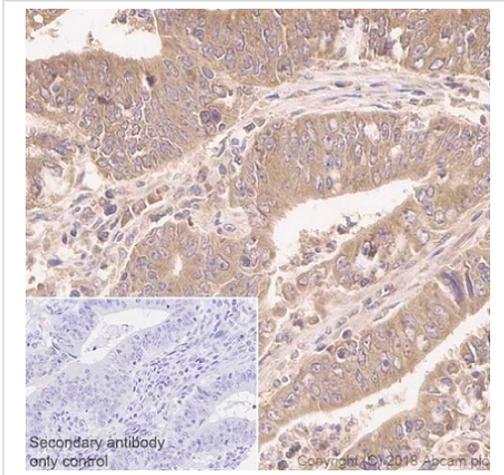
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab180504](#)).



Immunocytochemistry/ Immunofluorescence - Anti-RAB11-FIP2 antibody [EPR12294-85] - BSA and Azide free (ab232655)

Immunofluorescence analysis of, paraformaldehyde-fixed, 293 cells labeling RAB11-FIP2 with unpurified [ab180504](#) at a 1/100 dilution. As secondary antibody goat anti rabbit IgG (Alexa Fluor®555) was used at a 1/250. In blue DAPI staining.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab180504](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RAB11-FIP2 antibody [EPR12294-85] - BSA and Azide free (ab232655)

Immunohistochemical (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon cancer tissue sections labeling RAB11-FIP2 with Purified [ab180504](#) at 1:500 dilution (1.09 µg/ml). Heat mediated antigen retrieval was performed using [ab93684](#) (Tris/EDTA buffer, pH 9.0). Tissue was counterstained with Hematoxylin. ImmunoHistoProbe one step HRP Polymer (ready to use). PBS instead of the primary antibody was used as the negative control.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab180504](#)).

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

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