

# Anti-RAB22A antibody [EPR9486] - BSA and Azide free ab240105

Recombinant RabMAb

4 Images

### Overview

<b>Product name</b>	Anti-RAB22A antibody [EPR9486] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR9486] to RAB22A - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IP, ICC/IF, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	ICC/IF: MCF-7 cells IP: MCF-7 cells
<b>General notes</b>	<p>ab240105 is the carrier-free version of <a href="#">ab137093</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

## Properties

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Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR9486
Isotype	IgG

## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab240105 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
IP		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 22 kDa.

## Target

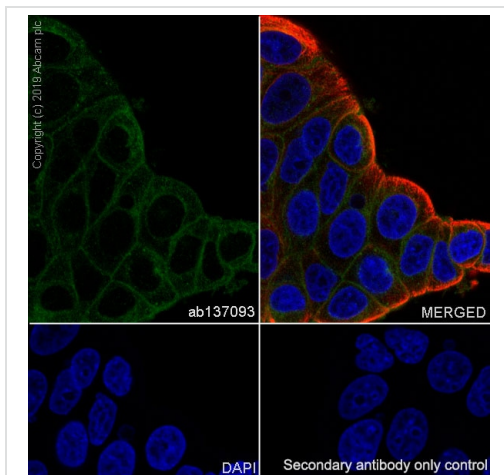
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Sequence similarities	Belongs to the small GTPase superfamily. Rab family.
Cellular localization	Endosome membrane. Cell membrane.

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## Images

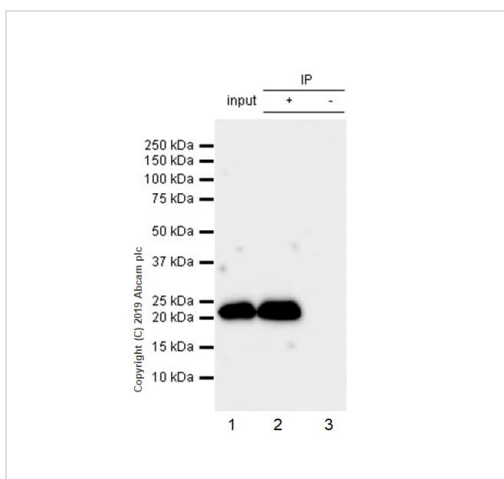
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Immunocytochemistry/ Immunofluorescence - Anti-RAB22A antibody [EPR9486] - BSA and Azide free (ab240105)

Immunocytochemistry/ Immunofluorescence analysis of MCF7 (Human breast adenocarcinoma epithelial cell) cells labeling RAB22A with purified **ab137093** at 1/100 dilution (7.6 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) at 1/200 (2.5 µg/ml) dilution. Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/ml) dilution. DAPI (blue) was used as 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 (**ab137093**).



Immunoprecipitation - Anti-RAB22A antibody [EPR9486] - BSA and Azide free (ab240105)

**ab137093** (purified) at 1/40 dilution (2ug) immunoprecipitating RAB22A in MCF7 whole cell lysates.

Lane 1: MCF7 (Human breast adenocarcinoma epithelial cell) whole cell lysates 10ug

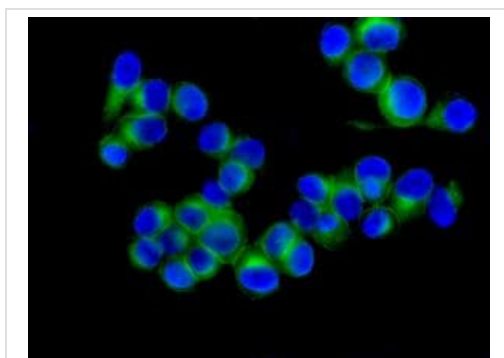
Lane 2 (+): **ab137093** & MCF7 whole cell lysates

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of **ab137093** in MCF7 whole cell lysates

For western blotting, VeriBlot for IP Detection Reagent (HRP) (**ab131366**) was used at 1/1000 dilution.

Blocking and diluting buffer: 5% NFDm/TBST.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab137093**).



Immunocytochemistry/ Immunofluorescence - Anti-RAB22A antibody [EPR9486] - BSA and Azide free (ab240105)

Immunocytochemistry/ Immunofluorescence analysis of MCF-7 cells labelling RAB22A with **ab137093** (unpurified) at 1/250 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab137093**).

### 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-RAB22A antibody [EPR9486] - BSA and Azide free (ab240105)

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

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