abcam

ab181858

Anti-RAP1A + RAP1B antibody [EPR14815(B)]

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR14815(B)
Purity	Tissue culture supernatant

Reactivity data

IP

Tested

Species	Human
Dilution info	1/50
Notes	-

Predicted

Species	Mouse, Rat

Dilution info	-
Notes	-

WB

Tested

Species	Human
Dilution info	1/10000 - 1/50000
Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/30
Notes	ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

Target data

See full target information RAP1B

Function	GTP-binding protein that possesses intrinsic GTPase activity. Contributes to the polarizing activity of KRIT1 and CDH5 in the establishment and maintenance of

correct endothelial cell polarity and vascular lumen. Required for the localization of phosphorylated PRKCZ, PARD3 and TIAM1 to the cell junction. Plays a role in the establishment of basal endothelial barrier function.

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?
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 batch production

For more information, read more on recombinant antibodies.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

We do not recommend this combination. It is not covered by our product promise.

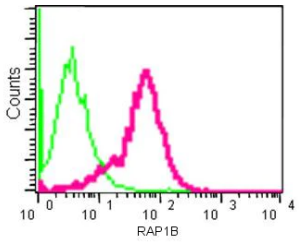
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

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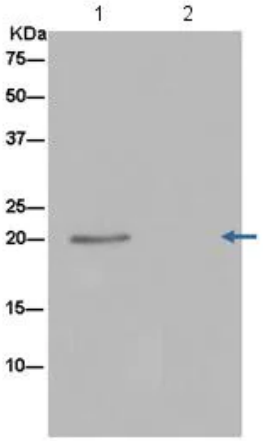
3 product images



Flow Cytometry (Intracellular) - Anti-RAP1A + RAP1B antibody [EPR14815(B)] (ab181858)

RAP1A + RAP1B Flow Cytometry (Intracellular) staining using rabbit Anti-RAP1A + RAP1B antibody

Intracellular Flow Cytometry analysis of paraformaldehyde-fixed HeLa cells labeling RAP1B with ab181858 at a 1/30 dilution and secondary antibody goat anti-rabbit IgG (FITC, red) at a 1/150 dilution, or negative control rabbit IgG (green).



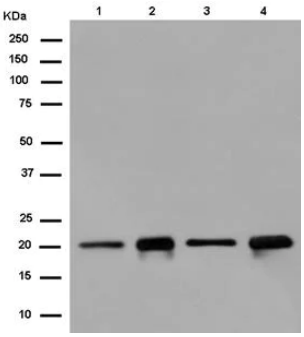
Immunoprecipitation - Anti-RAP1A + RAP1B antibody [EPR14815(B)] (ab181858)

Western blot analysis on immunoprecipitation from 1) 293 cell lysate or 2) negative control, labeling RAP1B using ab181858 at 1/50 dilution and HRP-conjugated anti-rabbit IgG preferentially detecting the non-reduced form of rabbit IgG at a 1/1500 dilution.
All lanes:
Immunoprecipitation - Anti-RAP1A + RAP1B antibody [EPR14815(B)] (ab181858)

Developed using the ECL technique.

Predicted band size: 21 kDa

Observed band size: 21 kDa



Western blot - Anti-RAP1A + RAP1B antibody [EPR14815(B)] (ab181858)

RAP1A + RAP1B Western blot staining using rabbit Anti-RAP1A + RAP1B antibody

All lanes:
Western blot - Anti-RAP1A + RAP1B antibody [EPR14815(B)] (ab181858) at 1/50000 dilution

Lane 1:
Hela cell lysate at 20 µg

Lane 2:
A431 cell lysate at 20 µg

Lane 3:
293 cell lysate at 20 µg

Lane 4:
MOLT4 cell lysate at 20 µg

Secondary

All lanes:
goat anti-rabbit IgG, (H+L), peroxidase conjugated at 1/1000 dilution

Developed using the ECL technique.

Predicted band size: 21 kDa

Observed band size: 21 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.