

Anti-Rab4 antibody [EPR3043] - BSA and Azide free ab226047

KO 評価済

リコンビナント

RabMAb[®]

画像数 6

製品の概要

製品名	Anti-Rab4 antibody [EPR3043] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR3043] to Rab4 - BSA and Azide free
由来種	Rabbit
アプリケーション	適用あり: Flow Cyt (Intra), ICC/IF, IP, WB 適用なし: IHC-P
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
特記事項	<p>ab226047 is the carrier-free version of ab109009.</p> <p>Our carrier-free 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 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.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] 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">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR3043
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab226047の使用に適用されます
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

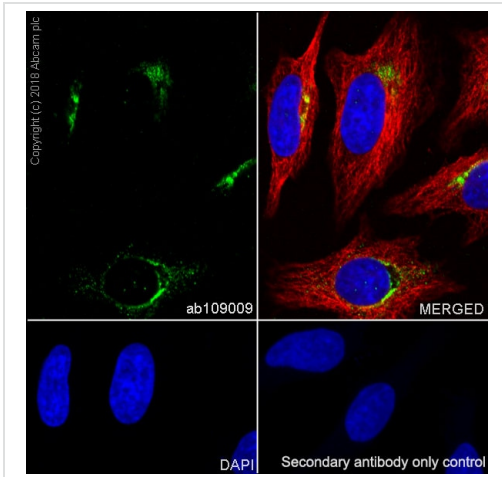
アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 24 kDa.

追加情報 Is unsuitable for IHC-P.

ターゲット情報

機能 Protein transport. Probably involved in vesicular traffic.
配列類似性 Belongs to the small GTPase superfamily. Rab family.
翻訳後修飾 Phosphorylated by CDK1 kinase during mitosis.
細胞内局在 Membrane. Cytoplasm. Generally associated with membranes. Cytoplasmic when phosphorylated by CDK1.

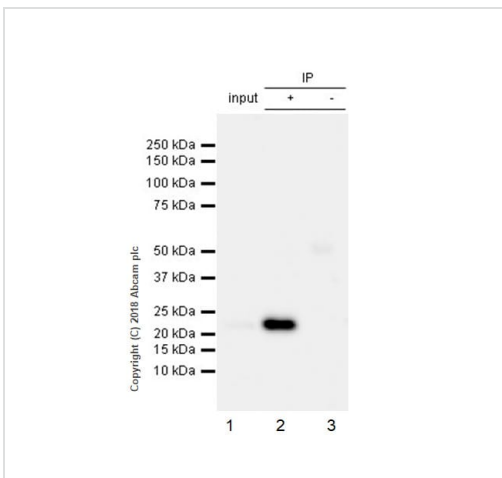
画像



Immunocytochemistry/ Immunofluorescence - Anti-Rab4 antibody [EPR3043] - BSA and Azide free (ab226047)

Immunocytochemistry/ Immunofluorescence analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling Rab4 with Purified **ab109009** at 1:170 dilution (10 µg/ml). Cells were fixed in 100% Methanol. 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 (**ab109009**).



Immunoprecipitation - Anti-Rab4 antibody [EPR3043] - BSA and Azide free (ab226047)

ab109009 (purified) at 1:80 dilution (2µg) immunoprecipitating Rab4 in MCF7 whole cell lysate.

Lane 1 (input): MCF7 (Human breast adenocarcinoma epithelial cell) whole cell lysate 10µg

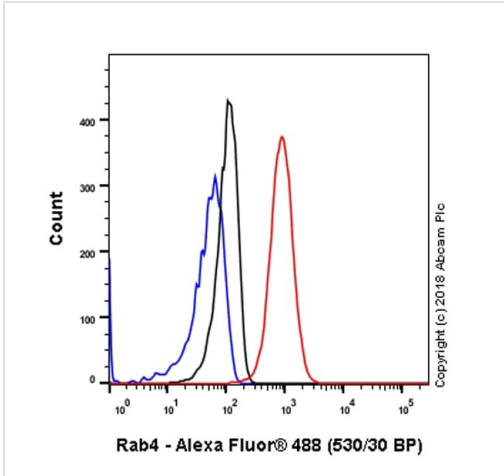
Lane 2 (+): **ab109009** & MCF7 whole cell lysate

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of **ab109009** in MCF7 whole cell lysate

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

Blocking and diluting buffer: 5% NFDm/TBST.

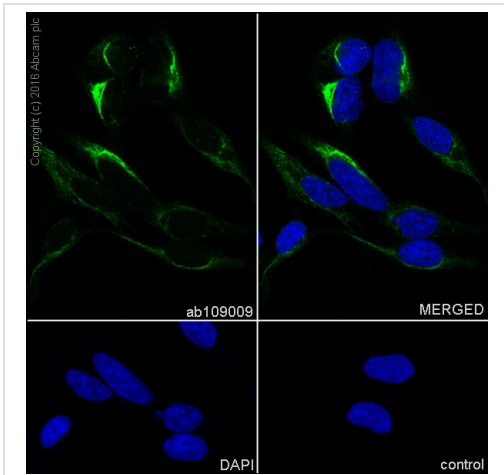
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109009**).



Flow Cytometry (Intracellular) - Anti-Rab4 antibody [EPR3043] - BSA and Azide free (ab226047)

Intracellular Flow Cytometry analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling Rab4 with Purified **ab109009** at 1/200 dilution (1 µg/ml) (red). Cells were fixed with 4% Paraformaldehyde. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).

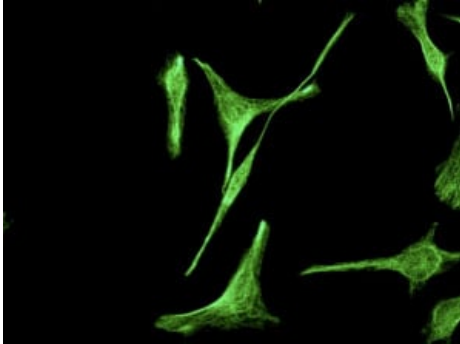
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109009**).



Immunocytochemistry/ Immunofluorescence - Anti-Rab4 antibody [EPR3043] - BSA and Azide free (ab226047)

Immunocytochemistry/Immunofluorescence analysis of HeLa (Human epithelial cell line from cervix adenocarcinoma) labelling Rab4 with purified **ab109009** at 1/250. Cells were fixed with 100% methanol and permeabilized with 0.1% triton X-100. **ab150077** Goat anti rabbit IgG (Alexa Fluor® 488) at 1/1000 was used as the secondary antibody. Nuclei were counterstained with DAPI. PBS was used instead of the primary antibody 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 (**ab109009**).



ab109009 at 1/500 dilution staining Rab4 in HeLa by Immunofluorescence.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109009**).

Immunocytochemistry/ Immunofluorescence - Anti-Rab4 antibody [EPR3043] - BSA and Azide free (ab226047)

Why choose a recombinant antibody?



Anti-Rab4 antibody [EPR3043] - BSA and Azide free (ab226047)

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