abcam

Product datasheet

Anti-ARFGAP1 antibody [EPR13650] ab183746

Recombinant RabMAb

1 References 5 Images

Overview

Product name	Anti-ARFGAP1 antibody [EPR13650]
Description	Rabbit monoclonal [EPR13650] to ARFGAP1
Host species	Rabbit
Tested applications	**Suitable for:** WB, ICC/IF
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human fetal brain lysate; HepG2, HeLa and MCF7 cell lysates; HeLa and MCF7 cells.
General notes	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

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR13650
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab183746 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		1/1000 - 1/10000. Detects a band of approximately 45 kDa (predicted molecular weight: 45 kDa).
ICC/IF		1/500.

Target

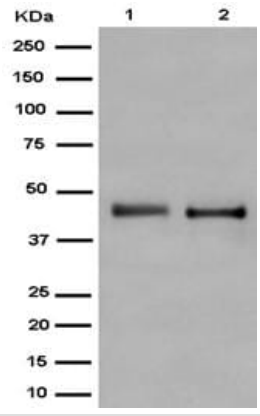
Function GTPase-activating protein (GAP) for the ADP ribosylation factor 1 (ARF1). Involved in membrane trafficking and /or vesicle transport. Promotes hydrolysis of the ARF1-bound GTP and thus, is required for the dissociation of coat proteins from Golgi-derived membranes and vesicles, a prerequisite for vesicle's fusion with target compartment. Probably regulates ARF1-mediated transport via its interaction with the KDELR proteins and RNP24. Overexpression induces the redistribution of the entire Golgi complex to the endoplasmic reticulum, as when ARF1 is deactivated. Its activity is stimulated by phosphoinosides and inhibited by phosphatidylcholine.

Sequence similarities Contains 1 Arf-GAP domain.

Domain The region downstream of Arf-GAP domain is essential to GAP activity in vivo. This region may be required for its targeting to Golgi membranes.

Cellular localization Cytoplasm. Golgi apparatus. Associates with the Golgi complex.

Images



Western blot - Anti-ARFGAP1 antibody [EPR13650] (ab183746)

All lanes : Anti-ARFGAP1 antibody [EPR13650] (ab183746) at 1/5000 dilution

Lane 1 : Human fetal brain tissue lysate

Lane 2 : HepG2 cell lysate

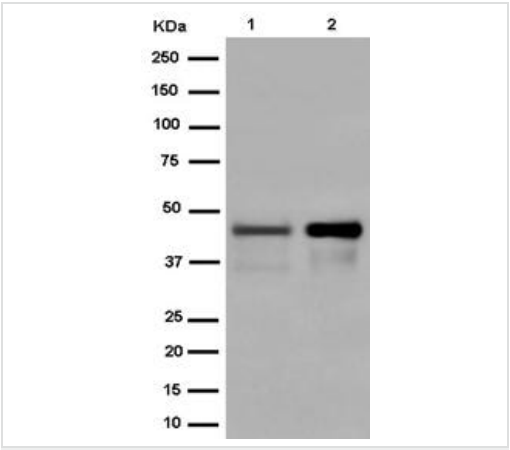
Lysates/proteins at 20 µg per lane.

Secondary

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

Predicted band size: 45 kDa

Observed band size: 45 kDa



Western blot - Anti-ARFGAP1 antibody [EPR13650] (ab183746)

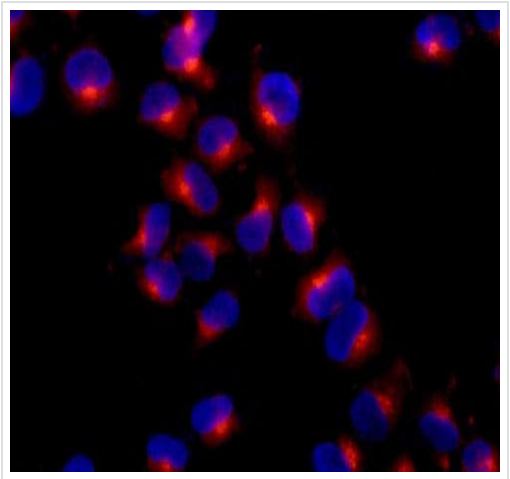
All lanes : Anti-ARFGAP1 antibody [EPR13650] (ab183746) at 1/1000 dilution

Lane 1 : HeLa cell lysate
Lane 2 : MCF7 cell lysate

Lysates/proteins at 20 µg per lane.

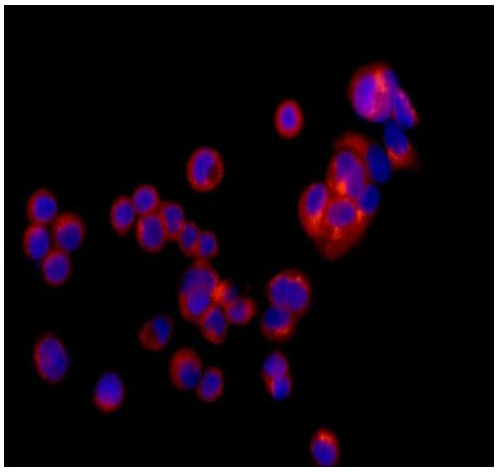
Secondary
All lanes : Goat anti-rabbit IgG, (H+L), peroxidase conjugate at 1/1000 dilution

Predicted band size: 45 kDa
Observed band size: 45 kDa



Immunocytochemistry/ Immunofluorescence - Anti-ARFGAP1 antibody [EPR13650] (ab183746)

Immunofluorescent analysis of acetone-fixed HeLa cells labeling ARFGAP1 with ab183746 at 1/500 dilution followed by Goat anti rabbit IgG (Alexa Fluor®555) secondary antibody at 1/200 dilution (red). Counter stained with Dapi (blue).



Immunocytochemistry/ Immunofluorescence - Anti-ARFGAP1 antibody [EPR13650] (ab183746)

Immunofluorescent analysis of 4% paraformaldehyde-fixed MCF7 cells labeling ARFGAP1 with ab183746 at 1/500 dilution followed by Goat anti rabbit IgG (Alexa Fluor®555) secondary antibody at 1/200 dilution (red). Counter stained with Dapi (blue).

Anti-ARFGAP1 antibody [EPR13650] (ab183746)

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