abcam

Product datasheet

Anti-ARHGAP29 antibody ab85853

2 References 2 Images

Overview

Product name	Anti-ARHGAP29 antibody
Description	Rabbit polyclonal to ARHGAP29
Host species	Rabbit
Tested applications	**Suitable for:** WB, IP
Species reactivity	**Reacts with:** Mouse, Human
Immunogen	Synthetic peptide corresponding to Human ARHGAP29 aa 1211-1261. Database link: **NP_004806.3**
Positive control	HeLa, 293T and NIH3T3 whole cell lysates.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7 Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate
Purity	Immunogen affinity purified
Purification notes	ab85853 was affinity purified using an epitope specific to ARHGAP29 immobilized on solid support.
Clonality	Polyclonal
Isotype	IgG

Applications

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The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab85853 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		1/2000 - 1/10000. Predicted molecular weight: 142 kDa.
IP		Use at 2-5 µg/mg of lysate.

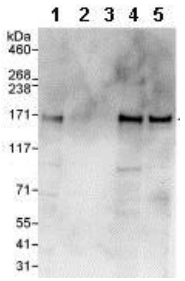
Target

Function GTPase activator for the Rho-type GTPases by converting them to an inactive GDP-bound state. Has strong activity toward RHOA, and weaker activity toward RAC1 and CDC42. May act as a specific effector of RAP2A to regulate Rho. In concert with RASIP1, suppresses RhoA signaling and dampens ROCK and MYH9 activities in endothelial cells and plays an essential role in blood vessel tubulogenesis.

Tissue specificity Widely expressed. Highly expressed in skeletal muscle and heart. Expressed at intermediate level in placenta, liver and pancreas. Weakly expressed in brain, lung and kidney.

Sequence similarities Contains 1 phorbol-ester/DAG-type zinc finger.
Contains 1 Rho-GAP domain.

Images



Western blot - Anti-ARHGAP29 antibody (ab85853)

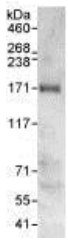
All lanes : Anti-ARHGAP29 antibody (ab85853) at 0.4 µg/ml

Lane 1 : HeLa whole cell lysate at 50 µg
Lane 2 : HeLa whole cell lysate at 15 µg
Lane 3 : HeLa whole cell lysate at 5 µg
Lane 4 : 293T whole cell lysate at 50 µg
Lane 5 : NIH3T3 whole cell lysate at 50 µg

Developed using the ECL technique.

Predicted band size: 142 kDa
Observed band size: 170 kDa

Exposure time: 30 seconds



Immunoprecipitation - Anti-ARHGAP29 antibody (ab85853)

Detection of ARHGAP29 by Western Blot of Immunprecipitate. ab85853, at 1 µg/ml, staining ARHGAP29 in HeLa whole cell lysate immunoprecipitated using ab85853 at 3µg/mg lysate (1 mg/IP; 20% of IP loaded/lane).
Detection: Chemiluminescence with exposure time of 10 seconds.

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

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