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Datasheet for ABIN543938
anti-RAC1 antibody (Ser71)

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Overview

Quantity:	400 µL
Target:	RAC1
Binding Specificity:	Ser71
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAC1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of RAC1.
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to residues surrounding S71 of human RAC1.
Cross-Reactivity:	Human

Target Details

Target:	RAC1
Abstract:	RAC1 Products
Gene ID:	5879
Pathways:	WNT Signaling , Regulation of Actin Filament Polymerization , Cell-Cell Junction Organization ,

Target Details

[Thromboxane A2 Receptor Signaling](#), [VEGF Signaling](#)

Application Details

Application Notes: Western Blot (1:1000)
The optimal working dilution should be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In PBS (0.09 % sodium azide)

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

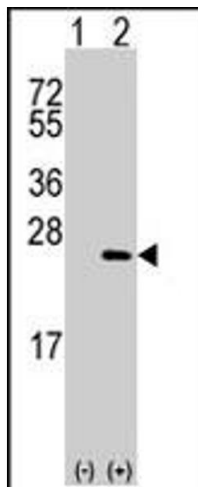
Storage Comment: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in: Gorshkova, He, Berdyshev, Usatuyk, Burns, Kalari, Zhao, Pendyala, Garcia, Pyne, Brindley, Natarajan: "Protein kinase C-epsilon regulates sphingosine 1-phosphate-mediated migration of human lung endothelial cells through activation of phospholipase D2, protein kinase C-zeta, and Rac1." in: **The Journal of biological chemistry**, Vol. 283, Issue 17, pp. 11794-806, (2008) ([PubMed](#)).

Simeone-Penney, Severgnini, Rozo, Takahashi, Cochran, Simon: "PDGF-induced human airway smooth muscle cell proliferation requires STAT3 and the small GTPase Rac1." in: **American journal of physiology. Lung cellular and molecular physiology**, Vol. 294, Issue 4, pp. L698-704, (2008) ([PubMed](#)).

Wang, Zhang, Zheng, Gao, Li, Zhang: "Non-syndromic mental retardation is not expressed in RAC1 gene polymorphisms." in: **Neuroscience letters**, Vol. 437, Issue 2, pp. 71-5, (2008) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis of RAC1 polyclonal antibody . 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the RAC1 gene (Lane 2) (Origene Technologies).