

Datasheet for ABIN391836  
**anti-RAC1 antibody (AA 49-78)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	400 µL
Target:	RAC1
Binding Specificity:	AA 49-78
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAC1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This RAC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 49-78 amino acids from human RAC1.
Clone:	RB11123
Isotype:	Ig Fraction
Predicted Reactivity:	B, E, C, D, Pr, M, Pig
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	RAC1
Abstract:	<a href="#">RAC1 Products</a>

## Target Details

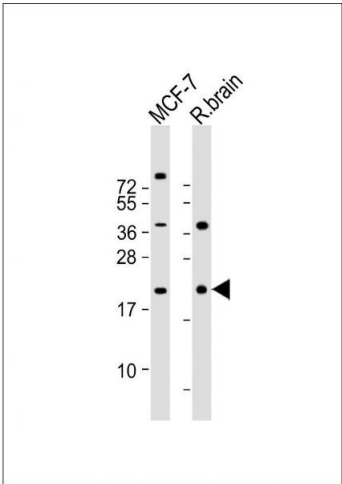
Background:	RAC1 is a GTPase belonging to the RAS superfamily of small GTP-binding proteins. It is a pleiotropic regulator of many cellular processes, including the cell cycle, cell-cell adhesion, motility (through the actin network), and of epithelial differentiation (proposed to be necessary for maintaining epidermal stem cells).
Molecular Weight:	21450
Gene ID:	5879
NCBI Accession:	<a href="#">NP_008839</a> , <a href="#">NP_061485</a>
UniProt:	<a href="#">P63000</a>
Pathways:	<a href="#">WNT Signaling</a> , <a href="#">Regulation of Actin Filament Polymerization</a> , <a href="#">Cell-Cell Junction Organization</a> , <a href="#">Thromboxane A2 Receptor Signaling</a> , <a href="#">VEGF Signaling</a>

## Application Details

Application Notes:	WB: 1:1000. WB: 1:2000. WB: 1:2000
Restrictions:	For Research Use only

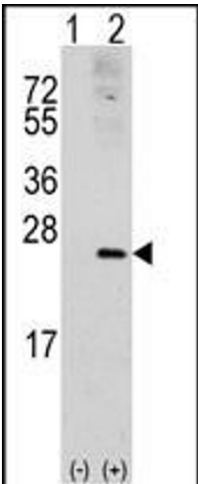
## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



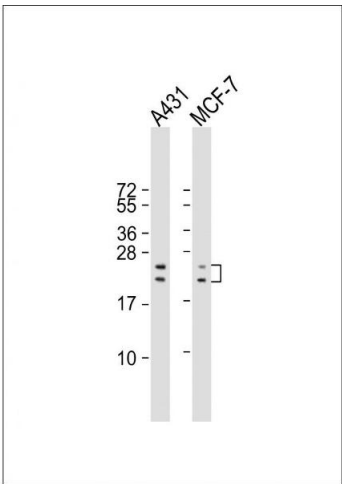
#### Western Blotting

**Image 1.** All lanes : Anti-RAC1 Antibody (S71) at 1:2000 dilution Lane 1: MCF-7 whole cell lysate Lane 2: rat brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 21 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



#### Western Blotting

**Image 2.** Western blot analysis of RAC1 (arrow) using rabbit polyclonal RAC1 Antibody (S71) (ABIN391836 and ABIN2841676). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the RAC1 gene (Lane 2) (Origene Technologies).



#### Western Blotting

**Image 3.** All lanes : Anti-RAC1 Antibody (S71) at 1:2000 dilution Lane 1: A431 whole cell lysate Lane 2: MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 21 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.