

Datasheet for ABIN6242867  
**anti-ROCK2 antibody (C-Term)**



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1 Image

## Overview

Quantity:	400 µL
Target:	ROCK2
Binding Specificity:	AA 1346-1380, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ROCK2 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This ROCK2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1346-1380 amino acids from the C-terminal region of human ROCK2.
Clone:	RB52921
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	ROCK2
Alternative Name:	ROCK2 ( <a href="#">ROCK2 Products</a> )
Background:	Protein kinase which is a key regulator of actin cytoskeleton and cell polarity. Involved in

## Target Details

regulation of smooth muscle contraction, actin cytoskeleton organization, stress fiber and focal adhesion formation, neurite retraction, cell adhesion and motility via phosphorylation of ADD1, BRCA2, CNN1, EZR, DPYSL2, EP300, MSN, MYL9/MLC2, NPM1, RDX, PPP1R12A and VIM. Phosphorylates SORL1 and IRF4. Acts as a negative regulator of VEGF-induced angiogenic endothelial cell activation. Positively regulates the activation of p42/MAPK1-p44/MAPK3 and of p90RSK/RPS6KA1 during myogenic differentiation. Plays an important role in the timely initiation of centrosome duplication. Inhibits keratinocyte terminal differentiation. May regulate closure of the eyelids and ventral body wall through organization of actomyosin bundles. Plays a critical role in the regulation of spine and synaptic properties in the hippocampus. Plays an important role in generating the circadian rhythm of the aortic myofilament Ca(2+) sensitivity and vascular contractility by modulating the myosin light chain phosphorylation.

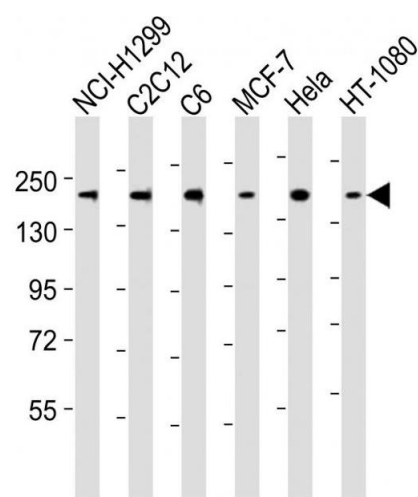
Molecular Weight:	160900
UniProt:	<a href="#">O75116</a>
Pathways:	<a href="#">Microtubule Dynamics</a> , <a href="#">WNT Signaling</a> , <a href="#">Tube Formation</a>

## Application Details

Application Notes:	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
Expiry Date:	6 months



Western Blotting

**Image 1.** All lanes : Anti-ROCK2 Antibody (C-term) at 1:2000 dilution Lane 1: NCI- whole cell lysates Lane 2: C2C12 whole cell lysates Lane 3: C6 whole cell lysates Lane 4: MCF-7 whole cell lysates Lane 5: HeLa whole cell lysates Lane 6: HT-1080 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 161 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.