

Datasheet for ABIN7139057  
**anti-ROCK2 antibody (pTyr722)**



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1 Image

## Overview

Quantity:	100 µL
Target:	ROCK2
Binding Specificity:	pTyr722
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ROCK2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	Peptide sequence around phosphorylation site of Tyrosine 722(K-I-Y(p)-E-S) derived from Human ROCK2.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using

## Target Details

Target:	ROCK2
Alternative Name:	ROCK2 ( <a href="#">ROCK2 Products</a> )

## Target Details

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Background:	<p>Background: Protein kinase which is a key regulator of actin cytoskeleton and cell polarity. Involved in 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.</p> <p>Aliases: coiled-coil-containing protein kinase 2 antibody, KIAA0619 antibody, p164 ROCK 2 antibody, p164 ROCK-2 antibody, Rho associated coiled coil containing protein kinase 2 antibody, Rho associated protein kinase 2 antibody, Rho associated, coiled coil containing protein kinase II antibody, Rho kinase 2 antibody, Rho-associated antibody, Rho-associated protein kinase 2 antibody, ROCK 2 antibody, Rock II antibody, Rock2 antibody, ROCK2_HUMAN antibody, Rock2m antibody, ROK alpha antibody, ROKalpha antibody</p>
UniProt:	<a href="#">O75116</a>
Pathways:	<a href="#">Microtubule Dynamics</a> , <a href="#">WNT Signaling</a> , <a href="#">Tube Formation</a>

## Application Details

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Application Notes:	WB:1:500-1:1000,
Restrictions:	For Research Use only

## Handling

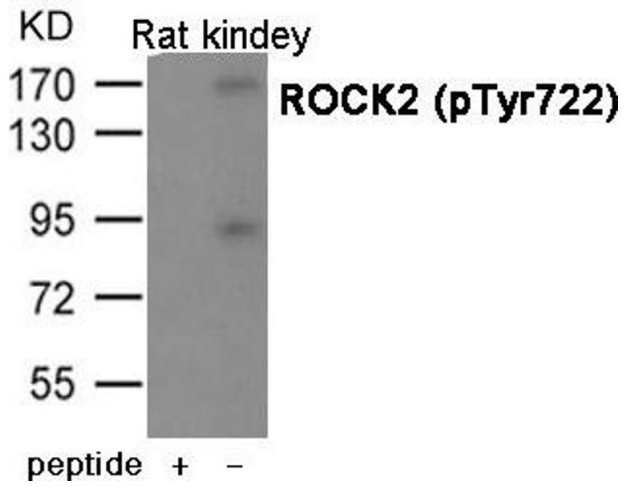
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Format:	Liquid
Buffer:	Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C

## Handling

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

## Images



### Western Blotting

**Image 1.** Western blot analysis of extracts from Rat kindey using ROCK2 (Phospho-Tyr722) antibody. The lane on the left is treated with the antigen-specific peptide.