

Datasheet for ABIN7168005

anti-ROCK2 antibody (AA 1109-1388) (Biotin)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	ROCK2
Binding Specificity:	AA 1109-1388
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ROCK2 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Rho-associated protein kinase 2 protein (1109-1388AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	ROCK2
Alternative Name:	ROCK2 (ROCK2 Products)
Background:	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

Target Details

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.

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

UniProt: [O75116](#)

Pathways: [Microtubule Dynamics](#), [WNT Signaling](#), [Tube Formation](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: 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.