BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-ROCK2 Antibody (C-term)

Catalog Number: M01023-1

About ROCK2

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. 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.

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Overview

Product Name	Anti-ROCK2 Antibody (C-term)
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-ROCK2 Antibody (C-term) (Catalog # M01023-1). Tested in WB application(s). This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	O75116

Technical Details

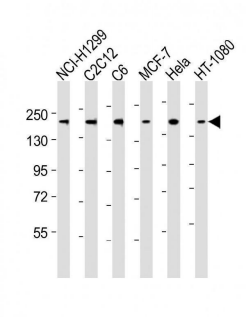
Immunogen	This ROCK2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1346-1380 amino acids from the C-terminal region of human ROCK2.

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Predicted Reactive Species	Bovine, Mouse
Isotype	Rabbit IgG
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	WB: 1:2000

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Anti-ROCK2 Antibody (C-term) (M01023-1) Images



All lanes : Anti-ROCK2 Antibody (C-term) at 1:2000 dilutionLane 1: NCI-H1299 whole cell lysatesLane 2: C2C12 whole cell lysatesLane 3: C6 whole cell lysatesLane 4: MCF-7 whole cell lysatesLane 5: Hela whole cell lysatesLane 6: HT-1080 whole cell lysates Lysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 161 kDaBlocking/Dilution buffer: 5% NFDM/TBST.

Anti-ROCK2 Antibody (C-term)

For Research Use Only. Not for use in diagnostic procedures.