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anti-ROCK2 antibody (AA 1001-1300)

3 Images



Publications



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Quantity:	100 μL	
Target:	ROCK2	
Binding Specificity:	AA 1001-1300	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This ROCK2 antibody is un-conjugated	
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))	

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ROCK2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Rabbit
Purification:	Purified by Protein A.

Target Details

Target: ROCK2

Target Details

Alternative Name:	ROCK2 (ROCK2 Products)
Background:	Synonyms: ROCK-II, Rho-associated protein kinase 2, Rho kinase 2, Rho-associated, coiled-coil-
background.	containing protein kinase 2, Rho-associated, coiled-coil-containing protein kinase II, p164 ROCK
	2, ROCK2, KIAA619
	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, EP3, 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 p9RSK/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.
Gene ID:	9475
UniProt:	O75116
Pathways:	Microtubule Dynamics, WNT Signaling, Tube Formation
Application Details	
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid

Handling

Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months
Publications	

Product cited in:

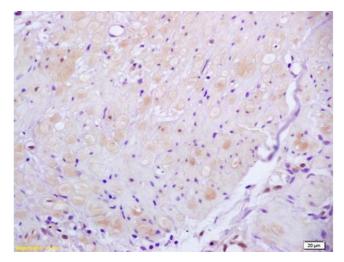
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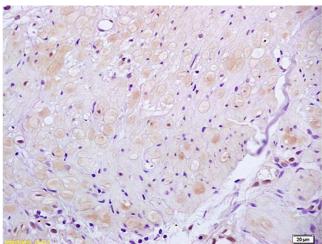
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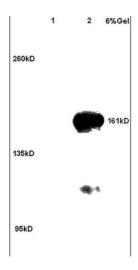
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human gastric carcinoma labeled with Anti ROCK2 Polyclonal Antibody, Unconjugated (ABIN673359) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded human gastric carcinoma tissue labeled with Anti ROCK2 Polyclonal Antibody, unconjugated (ABIN673359) at 1:200 followed by incubation with conjugated secondary antibody and DAB staining



SDS-PAGE

Image 3. Lane 1: rat brain lysates Lane 2: human colon carcinoma lysates probed with Anti ROCK2 Polyclonal Antibody, Unconjugated (ABIN673359) at 1:200 in 4C. Followed by conjugation to secondary antibody at 1:3000 90min in 37C. Predicted band 161kD. Observed band size: 161kD