

Rabbit anti-Human, Rat ROCK2 Polyclonal Antibody | anti-ROCK2 antibody

ROCK2 Antibody

CATALOG # AAA118515	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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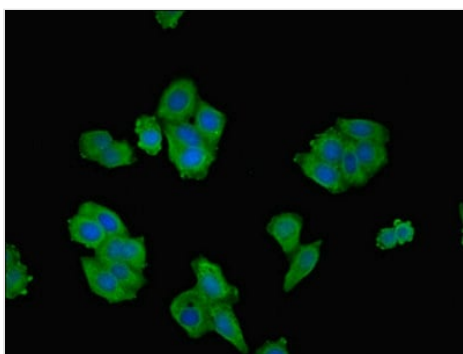
PRODUCT SYNONYMS

ROCK2; Polyclonal Antibody; ROCK2 Antibody; Rho kinase 2; Rho-associated; coiled-coil-containing protein kinase 2; coiled-coil-containing protein kinase II; ROCK-II; p164 ROCK-2; anti-ROCK2 antibody

PRODUCT SPECIFICATIONS

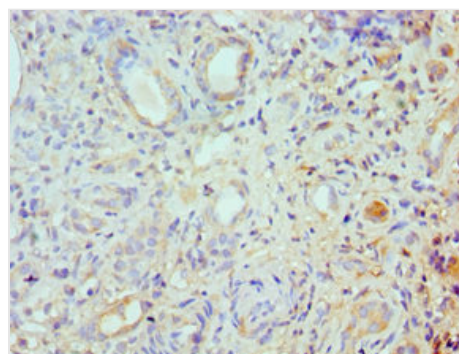
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	1388
Applicable Applications for anti-ROCK2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human Rho-associated protein kinase 2 protein (1109-1388aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-1851 / sc-1852 / sc-5561
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



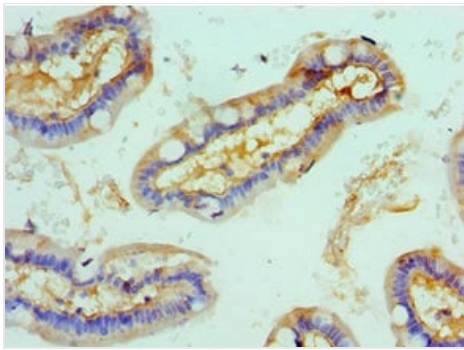
IF (Immunofluorescence)

Immunofluorescent analysis of Hepg2 cells using AAA118515 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

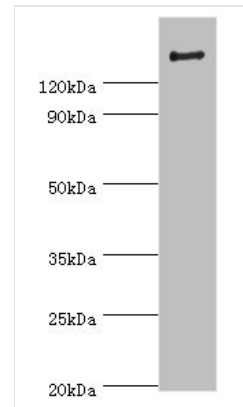


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney tissue using AAA118515 at dilution 1:100



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human small intestine using AAA118515 at dilution 1:100



WB (Western Blot)
Western blot All lanes: ROCK2 antibody at 2ug/ml+rat brain tissue Secondary Goat polyclonal to rabbit at 1/10000 dilution Predicted band size: 161kDa Observed band size: 161kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ROCK2 antibody

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 Ca²⁺-sensitivity and vascular contractility by modulating the myosin light chain phosphorylation.

NCBI AND UNIPROT INFORMATION

NCBI GI #	41872583
NCBI GeneID	9475
NCBI Accession #	NP_004841.2
NCBI GenBank Nucleotide #	NM_004850.3
UniProt Accession #	O75116 ; Q53QZ0 ; Q53SJ7 ; Q9UQN5
Molecular Weight	160,900 Da
NCBI Official Full Name	rho-associated protein kinase 2
NCBI Official Synonym Full Names	Rho associated coiled-coil containing protein kinase 2
NCBI Official Symbol	ROCK2
NCBI Official Synonym Symbols	ROCK-II
NCBI Protein Information	rho-associated protein kinase 2
UniProt Protein Name	Rho-associated protein kinase 2
UniProt Gene Name	ROCK2
UniProt Synonym Gene Names	KIAA0619; ROCK-II
UniProt Entry Name	ROCK2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

