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Datasheet for ABIN2855440 anti-ROCK2 antibody

Images



Overview

Quantity:	100 µL
Target:	ROCK2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ROCK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))
Product Details	
Immunogen:	Recombinant protein encompassing a sequence within the center region of human ROCK2. The exact sequence is proprietary.
lsotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to ROCK2 (Rho-associated, coiled-coil containing protein kinase 2) ROCK2 antibody
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

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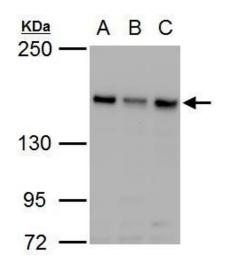
Target Details

Target:	ROCK2
Alternative Name:	Rho associated coiled-coil containing protein kinase 2 (ROCK2 Products)
Background:	The protein encoded by this gene is a serine/threonine kinase that regulates cytokinesis, smooth muscle contraction, the formation of actin stress fibers and focal adhesions, and the activation of the c-fos serum response element. This protein, which is an isozyme of ROCK1 is a target for the small GTPase Rho.
	Cellular Localization: Cytoplasm (By similarity) , Cell membrane, Peripheral membrane protein (By similarity)
Molecular Weight:	161 kDa
Gene ID:	9475
UniProt:	075116
Pathways:	Microtubule Dynamics, WNT Signaling, Tube Formation
Application Details	
Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. IHC-Fr: 1:100-1:1000. IP: 1:100- 1:500. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: Rat2 , Neuro 2A , GL261 , C8D30 , NIH-3T3 , BCL-1 , Raw264.7 , C2C12 , A549 , H1299 , HCT116 , 293T , A431 , HeLa , HepG2 Validation: Comparison, KO/KD, Orthogonal
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.67 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 20 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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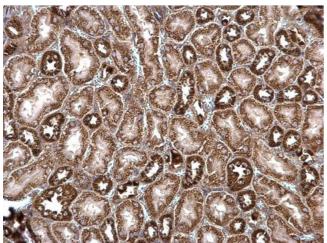
4 °C,-20 °C
Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid
multiple freeze-thaw cycles.

Validation report #103867 for Immunohistochemistry (IHC)



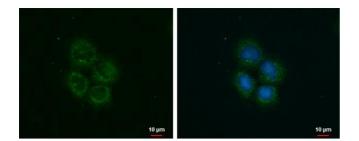
Western Blotting

Image 1. WB Image ROCK2 antibody detects ROCK2 protein by western blot analysis. A. 30 μ g A549 whole cell lysate/extract B. 30 μ g H1299 whole cell lysate/extract C. 30 μ g HCT116 whole cell lysate/extract 5 % SDS-PAGE ROCK2 antibody, dilution: 1:1000



Immunohistochemistry

Image 2. IHC-P Image ROCK2 antibody detects ROCK2 protein at cytosol on mouse kidney by immunohistochemical analysis. Sample: Paraffin-embedded mouse kidney. ROCK2 antibody , dilution: 1:500.



Immunofluorescence

Image 3. ICC/IF Image ROCK2 antibody detects ROCK2 protein at cytoplasm by immunofluorescent analysis. Sample: A431 cells were fixed in ice-cold MeOH for 5 min. Green: ROCK2 protein stained by ROCK2 antibody , diluted at 1:500. Blue: Hoechst 33342 staining.

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