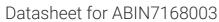
# antibodies -online.com





## anti-ROCK2 antibody (AA 1109-1388)





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Quantity:	100 μL	
Target:	ROCK2	
Binding Specificity:	AA 1109-1388	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This ROCK2 antibody is un-conjugated	
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)	
Product Details		
Immunogen:	Recombinant Human Rho-associated protein kinase 2 protein (1109-1388AA)	
Isotype:	IgG	
Cross-Reactivity:	Human, Rat	
Purification:	Antigen Affinity 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	

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.

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:

075116

Pathways:

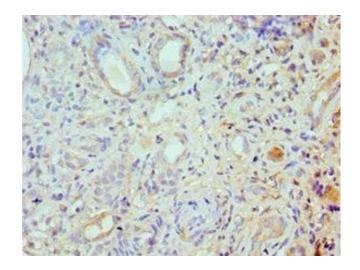
Microtubule Dynamics, WNT Signaling, Tube Formation

#### **Application Details**

Application Notes:	Recommended dilution: WB:1:200-1:1000, IHC:1:20-1:200, IF:1:50-1:200,
Restrictions:	For Research Use only

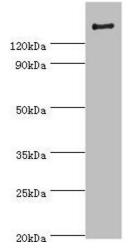
#### Handling

Format:	Liquid	
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	-20 °C,-80 °C	
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.	



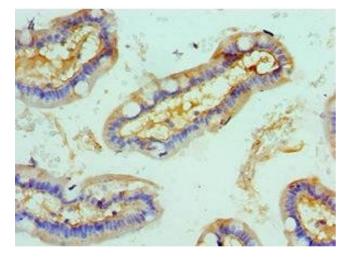
#### **Immunohistochemistry**

**Image 1.** Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7168003 at dilution of 1:100



#### **Western Blotting**

Image 2. Western blot All lanes: ROCK2 antibody at 2 μg/mL + Rat brain tissue Secondary Goat polyclonal to rabbit lgG at 1/10000 dilution Predicted band size: 161 kDa Observed band size: 161 kDa



### **Immunohistochemistry**

**Image 3.** Immunohistochemistry of paraffin-embedded human small intestine tissue using ABIN7168003 at dilution of 1:100

Please check the product details page for more images. Overall 4 images are available for ABIN7168003.