

Anti-ROCK2 Rabbit pAb



WL00550

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-ROCK2 Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:500-1:1000
	IHC	1:100-1:300
	IF	1:200
Cellular localization	Cytoplasm. Cell membrane	
Pack size	50/100/200/500/1000μl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml	
	BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background	ROCK (Rho-associated kinase), a family of serine/threonine kinases, is an important downstream target of Rho-GTPase and plays an important role in Rho-mediated signaling. Two isoforms of ROCK have been identified: ROCK1 and ROCK2. Caspase-3-induced cleavage of ROCK1 and direct cleavage of ROCK2 by granzyme B (grB) activate ROCK and lead to phosphorylation of myosin light chain and inhibition of myosin phosphatase. ROCK2 is a serine/threonine kinase that regulates cytokinesis, smooth muscle contraction, the formation of actin stress fibers, focal adhesions and the activation of the c-fos serum response element. It is a target for the small GTPase Rho.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of ROCK2.
Purification	Polyclonal antibody was purified by immunogen affinity chromatography.

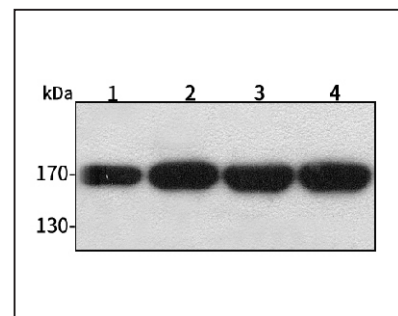
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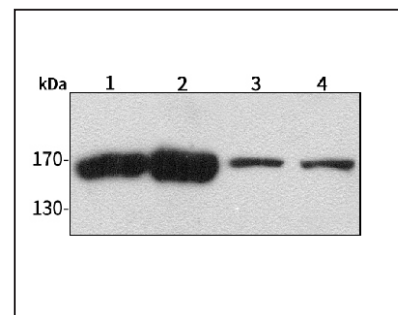
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Product Images



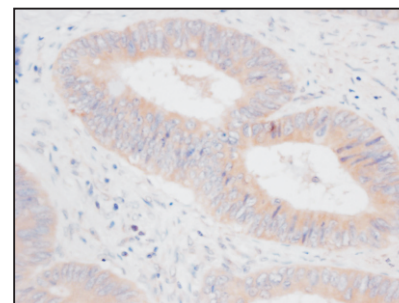
Western blot-Anti-ROCK2 pAb

Lane 1: Human BGC-823 cell lysate
 Lane 2: Human MGC-803 cell lysate
 Lane 3: Human SGC-7901 cell lysate
 Lane 4: Human MCF-7 cell lysate
 All lanes: Anti-ROCK2 at 1:1000 dilution
 Lysates/proteins at 20-50 μg per lane.
 Predicted band size: 161 kDa
 Observed band size: 171 kDa



Western blot-Anti-ROCK2 pAb

Lane 1: Mouse lung tissue lysate
 Lane 2: Mouse brain tissue lysate
 Lane 3: Rat testicle tissue lysate
 Lane 4: Rat stomach tissue lysate
 All lanes: Anti-ROCK2 at 1:1000 dilution
 Lysates/proteins at 20-50 μg per lane.
 Predicted band size: 161 kDa
 Observed band size: 171 kDa



Immunohistochemistry-Anti-ROCK2 pAb

Immunohistochemical analysis of paraffin-embedded human stomach cancer using anti-ROCK2 Rabbit Antibody at 1:100 dilution. Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

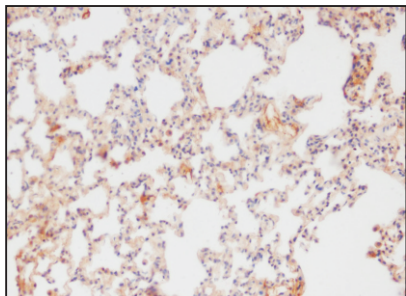
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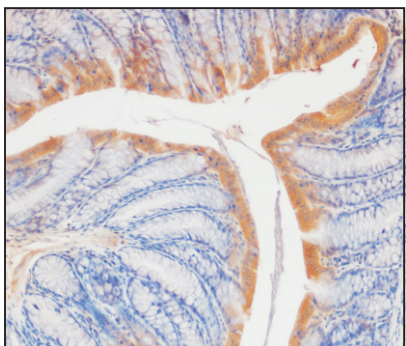
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Immunohistochemistry-Anti-ROCK2 pAb

Immunohistochemical analysis of paraffin-embedded rat lung using anti-ROCK2 Rabbit Antibody at 1:300 dilution.

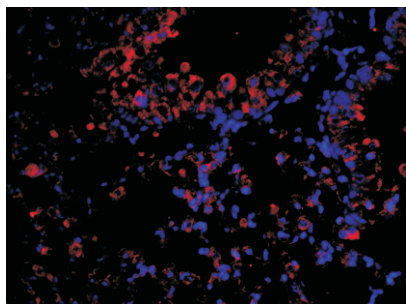
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunohistochemistry-Anti-ROCK2 pAb

Immunohistochemical analysis of paraffin-embedded mouse colon using anti-ROCK2 Rabbit Antibody at 1:300 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-ROCK2 pAb

Immunofluorescence analysis of paraffin-embedded mouse lung using anti-ROCK2 Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0