

For Research Use Only

# ROCK2-Specific(C-term) Polyclonal ANTIBODY



Catalog Number: 20248-1-AP

Featured Product

12 Publications

## Basic Information

Catalog Number:  
20248-1-AP

Size:  
52 µg/150 µl

Source:  
Rabbit

Isotype:  
IgG

Purification Method:  
Antigen affinity purification

Immunogen Catalog Number:

GenBank Accession Number:  
NM\_004850

GeneID (NCBI):  
9475

Full Name:  
Rho-associated, coiled-coil containing protein  
kinase 2

Calculated MW:  
161 kDa

Observed MW:  
164 kDa

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:20-1:200

IF 1:10-1:100

## Applications

Tested Applications:  
IF, IHC, WB, ELISA

Cited Applications:  
IF, IHC, WB

Species Specificity:  
human, mouse, rat

Cited Species:  
human, mouse, rat

**Note-IHC: suggested antigen retrieval with  
TE buffer pH 9.0; (\*) Alternatively, antigen  
retrieval may be performed with citrate  
buffer pH 6.0**

Positive Controls:

WB : HeLa cells; mouse brain tissue, rat brain  
tissue

IHC : human colon tissue; human brain tissue

IF : HepG2 cells;

## Background Information

ROCK2 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. It is an isozyme of ROCK1, is a target for the small GTPase Rho. ROCK2 is localized in both cytoplasm and nucleus, and the nucleus-localized ROCK2 can target p300 for phosphorylation to regulate its acetyltransferase activity (PMID:16574662). This antibody is specific to ROCK2.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jiong Yue	27637803	Exp Neurol	WB,IHC,IF
Jiong Yue	31495513	Brain Dev	WB,IHC
Lixing Xu	31145906	Neuropharmacology	IF

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

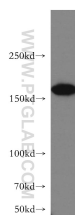
For technical support and original validation data for this  
product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll  
free in USA), or 1(312) 455-8498 (outside  
USA)

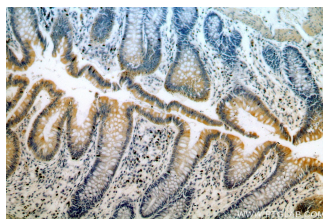
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under  
Proteintech Group brand and is not available to  
purchase from any other manufacturer.

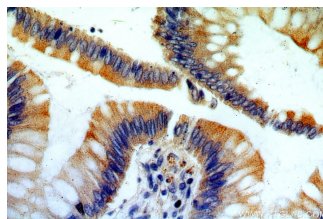
## Selected Validation Data



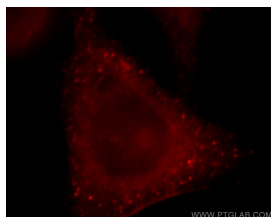
HeLa cells were subjected to SDS PAGE followed by western blot with 20248-1-AP/ROCK2-Specific(C-term) antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours



Immunohistochemical analysis of paraffin-embedded human colon using 20248-1-AP/ROCK2-Specific(C-term) antibody) at dilution of 1:100 (under 10x lens)



Immunohistochemical analysis of paraffin-embedded human colon using 20248-1-AP/ROCK2-Specific(C-term) antibody) at dilution of 1:100 (under 40x lens)



Immunofluorescent analysis of HepG2 cells, using ROCK2 antibody 20248-1-AP<sup>2</sup> at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).