

For Research Use Only

ROCK2-Specific(C-term) Polyclonal antibody

Catalog Number: 20248-1-AP

Featured Product

19 Publications



Basic Information

Catalog Number:

20248-1-AP

Size:

150ul , Concentration: 400 ug/ml by Nanodrop and 347 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_004850

GeneID (NCBI):

9475

UNIPROT ID:

O75116

Full Name:

Rho-associated, coiled-coil containing protein kinase 2

Calculated MW:

161 kDa

Observed MW:

164 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:20-1:200

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

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/ICC : 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

*** 20ul sizes contain 0.1% BSA

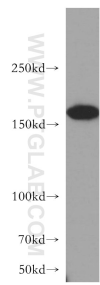
For technical support and original validation data for this product please contact:

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

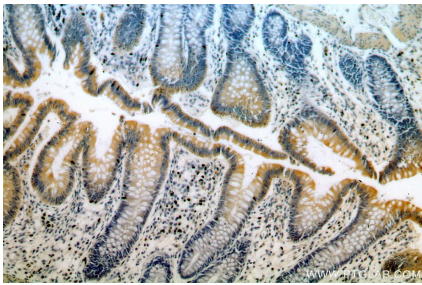
E: proteintech@ptglab.com
W: ptglab.com

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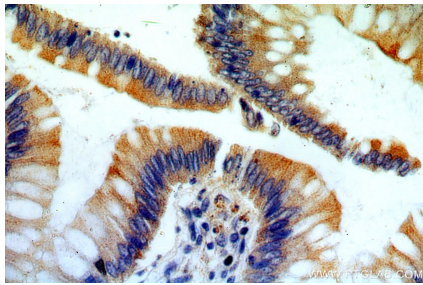
Selected Validation Data



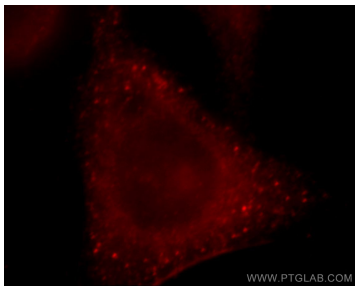
HeLa cells were subjected to SDS PAGE followed by western blot with 20248-1-AP (ROCK2-Specific(C-term) antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



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 at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).