

For Research Use Only

RHOC Polyclonal antibody

Catalog Number: 10632-1-AP

19 Publications



Basic Information

Catalog Number:

10632-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 200 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0988

GenBank Accession Number:

BC007245

GeneID (NCBI):

389

UNIPROT ID:

P08134

Full Name:

ras homolog gene family, member C

Calculated MW:

22 kDa

Observed MW:

22 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:2000-1:16000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:800-1:3200

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IP

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 : A549 cells, NIH/3T3 cells, C6 cells, HeLa cells

IP : A549 cells,

IHC : human skin cancer tissue,

Background Information

Ras homolog family member C (RHOC) encodes a Rho-related GTP-binding protein, which belongs to small GTPase superfamily and also Rho family. RHOC. Regulates a signal transduction pathway linking plasma membrane receptors to the assembly of focal adhesions and actin stress fibers. Expression of RHOC contributes to metastatic phenotype of melanoma cells and is associated with multiple cancers including gastric carcinomas, ovarian carcinomas and breast cancer as well.

Notable Publications

Author	Pubmed ID	Journal	Application
Yu Lian	30326930	J Exp Clin Cancer Res	WB
Xiu-Bo Sang	27748937	Oncol Rep	
Shuo Chen	28984384	Mol Carcinog	WB,IHC

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

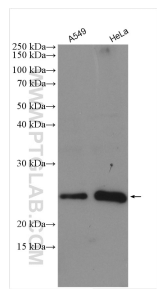
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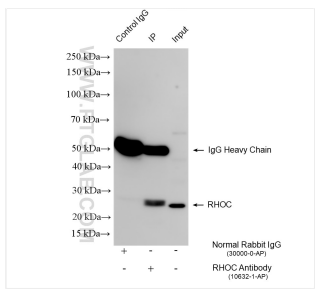
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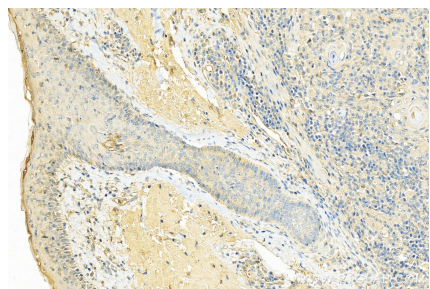
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10632-1-AP (RHOC antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



IP result of anti-RHOC (IP:10632-1-AP, 4ug; Detection:10632-1-AP 1:6000) with A549 cells lysate 1000 ug.



Immunohistochemical analysis of paraffin-embedded skin cancer slide using 10632-1-AP (RHOC antibody) at dilution of 1:1600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).