

For Research Use Only

RAC2 Polyclonal antibody

Catalog Number: 20573-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

20573-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop and 500 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_002872

GeneID (NCBI):

5880

UNIPROT ID:

P15153

Full Name:

ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)

Calculated MW:

21 kDa

Observed MW:

21 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

mouse

Positive Controls:

WB: Jurkat cells, HL-60 cells

IP: MOLT-4 cells,

Background Information

RAC2, also named as GX, belongs to the small GTPase superfamily and Rho family. RAC2 is a plasma membrane-associated small GTPase which cycles between an active GTP-bound and inactive GDP-bound state. In active state binds to a variety of effector proteins to regulate cellular responses, such as secretory processes, phagocytosis of apoptotic cells and epithelial cell polarization. RAC2 augments the production of reactive oxygen species (ROS) by NADPH oxidase. Defects in RAC2 are the cause of neutrophil immunodeficiency syndrome. The antibody is specific to RAC2.

Notable Publications

Author	Pubmed ID	Journal	Application
Manlong Qi	39596003	Int J Mol Sci	WB

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

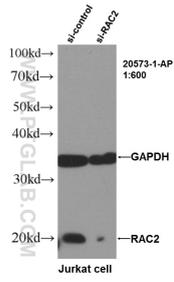
For technical support and original validation data for this product please contact:

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

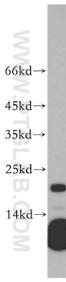
E: proteintech@ptglab.com
W: ptglab.com

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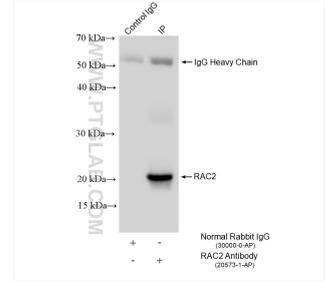
Selected Validation Data



WB result of RAC2 antibody (20573-1-AP, 1:600) with si-control and si-RAC2 transfected Jurkat cells.



Jurkat cells were subjected to SDS PAGE followed by western blot with 20573-1-AP (RAC2 antibody) at dilution of 1:100 incubated at room temperature for 1.5 hours.



IP result of anti-RAC2 (IP:20573-1-AP, 4ug; Detection:20573-1-AP 1:500) with MOLT-4 cells lysate 1800 ug.