

For Research Use Only

# RAC2 Polyclonal antibody

Catalog Number: 20573-1-AP

Featured Product

1 Publications



## Basic Information

### Catalog Number:

20573-1-AP

### Size:

800 µg/ml

### 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 µg 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

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

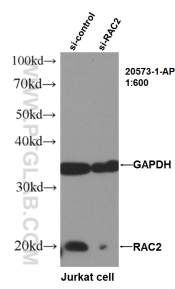
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

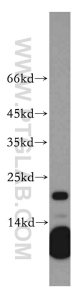
W: [ptgcn.com](http://ptgcn.com)

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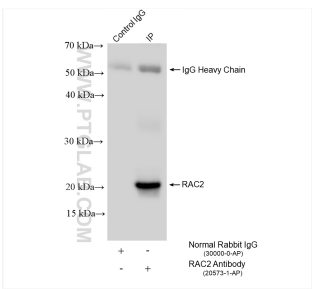
Selected Validation Data



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.