

For Research Use Only

RAC2 Monoclonal antibody

Catalog Number: 60077-1-Ig

Featured Product

14 Publications



Basic Information

Catalog Number:

60077-1-Ig

Size:

150ul, Concentration: 2000 ug/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG1202

GenBank Accession Number:

BC001485

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:

Protein A purification

CloneNo.:

4C2H6

Recommended Dilutions:

WB 1:5000-1:20000

IHC 1:4000-1:16000

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF, colP

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: Jurkat cells, MCF-7 cells, HSC-T6 cells, NIH/3T3 cells, RAW 264.7 cells

IHC: human tonsillitis tissue,

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Alan R Morrison	25180062	J Exp Med	WB
Min Xiong	33992672	Prog Neurobiol	WB
Yuenan Liu	31364727	Int J Oncol	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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

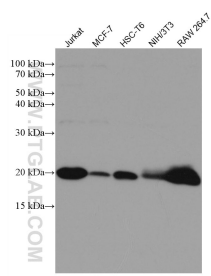
For technical support and original validation data for this product please contact:

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

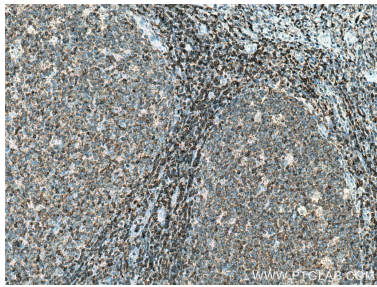
E: proteintech@ptglab.com
W: ptglab.com

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

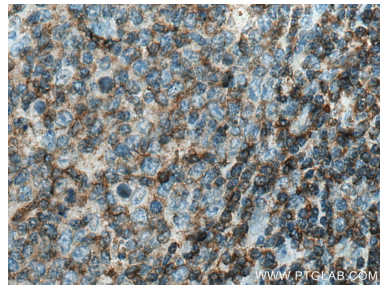
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 60077-1-Ig (RAC2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60077-1-Ig (RAC2 antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60077-1-Ig (RAC2 antibody) at dilution of 1:8000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).