

For Research Use Only

RAC1 Monoclonal antibody, PBS Only



Catalog Number: 66122-1-PBS

Featured Product

Basic Information

Catalog Number:

66122-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG17779

GenBank Accession Number:

BC004247

GeneID (NCBI):

5879

UNIPROT ID:

P63000

Full Name:

ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)

Calculated MW:

21 kDa

Observed MW:

21 kDa

Purification Method:

Protein A purification

CloneNo.:

4A4B11

Applications

Tested Applications:

WB,IP,IHC,IF,ELISA

Species Specificity:

human, mouse, rat

Background Information

RAC1b, also named as TC25, belongs to the small GTPase superfamily and Rho family. RAC1 is a plasma membrane-associated small GTPase which cycles between active GTP-bound and inactive GDP-bound states. In its active state, it binds to a variety of effector proteins to regulate cellular responses such as secretory processes, phagocytosis of apoptotic cells, epithelial cell polarization and growth-factor induced formation of membrane ruffles.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only

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

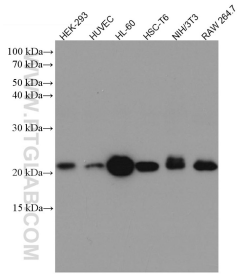
T: 4006900926

E: Proteintech-CN@ptglab.com

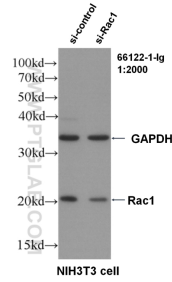
W: ptgcn.com

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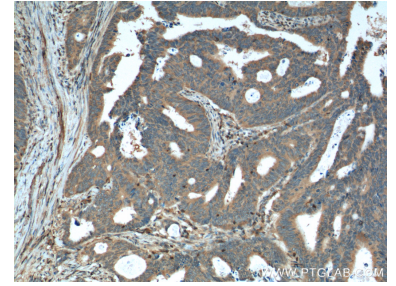
Selected Validation Data



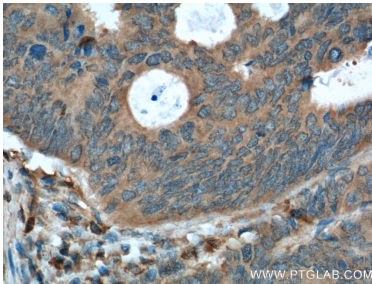
Various lysates were subjected to SDS PAGE followed by western blot with 66122-1-Ig (Rac1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66122-1-PBS in a different storage buffer formulation.



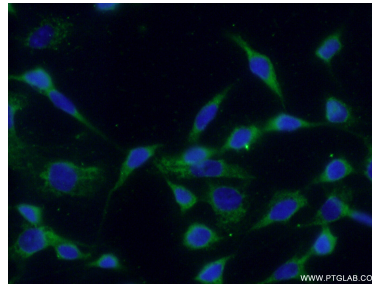
WB result of RAC1 antibody (66122-1-Ig, 1:2000) with si-control and si-RAC1 transfected NIH3T3 cells. This data was developed using the same antibody clone with 66122-1-PBS in a different storage buffer formulation.



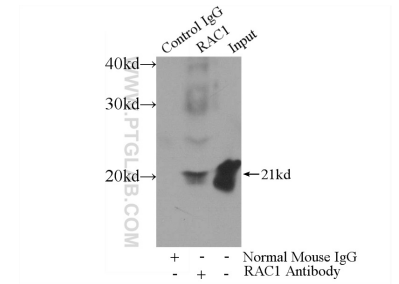
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66122-1-Ig (RAC1 Antibody) at dilution of 1:400 (under 10x lens). This data was developed using the same antibody clone with 66122-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66122-1-Ig (RAC1 Antibody) at dilution of 1:400 (under 40x lens). This data was developed using the same antibody clone with 66122-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using 66122-1-Ig(Rac1 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66122-1-PBS in a different storage buffer formulation.



IP result of anti-RAC1 (IP:66122-1-Ig, 3ug; Detection:66122-1-Ig 1:700) with HL-60 cells lysate 4000ug. This data was developed using the same antibody clone with 66122-1-PBS in a different storage buffer formulation.