

For Research Use Only

# RAC1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 88471-1-PBS



## Basic Information

### Catalog Number:

88471-1-PBS

### Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0751

### 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.:

260819A6

## Applications

### Tested Applications:

WB, IHC, IF/ICC, Indirect 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, pH7.3

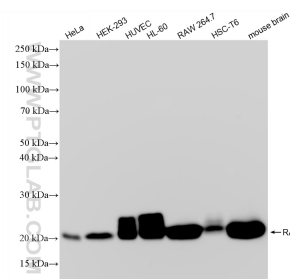
For technical support and original validation data for this product please contact:

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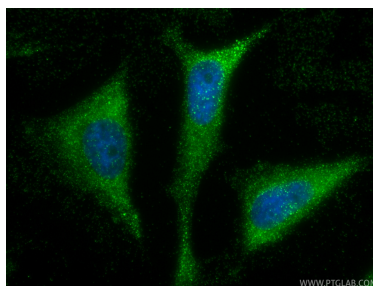
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88471-1-RR (RAC1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 88471-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using RAC1 antibody (88471-1-RR, Clone: 260819A6) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 88471-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 88471-1-RR (RAC1 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 88471-1-PBS in a different storage buffer formulation.