

For Research Use Only

# RACK1; GNB2L1 Polyclonal antibody

Catalog Number: 27592-1-AP

Featured Product

15 Publications



## Basic Information

### Catalog Number:

27592-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG26708

### GenBank Accession Number:

BC019093

### GeneID (NCBI):

10399

### UNIPROT ID:

P63244

### Full Name:

guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1

### Calculated MW:

36 kDa

### Observed MW:

31 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3000

IHC 1:400-1:1600

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IF, IP, CoIP, RIP

### Species Specificity:

Human, mouse, rat

### Cited Species:

human, mouse, pig, monkey

### Positive Controls:

WB: mouse liver tissue, L02 cells, HepG2 cells, rat liver tissue

IHC: human liver cancer tissue, human stomach cancer tissue

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

Members of the protein kinase C (PKC) family play a key regulatory role in a variety of cellular functions, including cell growth and differentiation, gene expression, hormone secretion and membrane function. RACK1 (receptor for activated protein kinase C 1), encoded by GNB2L1 gene, is a 317 amino acid guanine nucleotide-binding protein subunit beta-2-like 1 protein which is involved in the recruitment, assembly and/or regulation of a variety of signaling molecules, it contains 7 WD-repeats and is implicated in various protein interaction activities. RACK1 is a component of the 40S ribosomal subunit involved in translational repression. Recent finding suggests that RACK1 may be a new promising diagnosis biomarker and therapeutic target for non-small-cell lung cancer (NSCLC).

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiao Liu	33166843	Vet Microbiol	WB
Meiling Huang	34790772	Ann Transl Med	WB, IP
Chao Yang	33677370	Vet Microbiol	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**

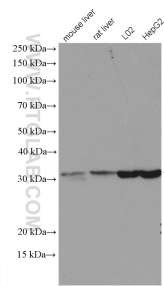
For technical support and original validation data for this product please contact:

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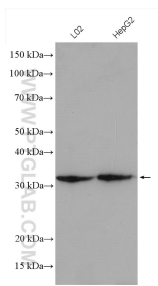
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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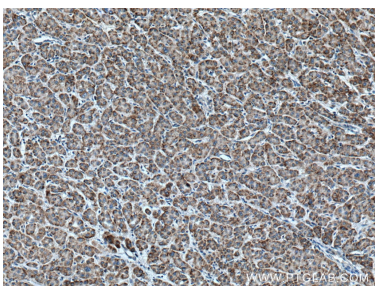
Selected Validation Data



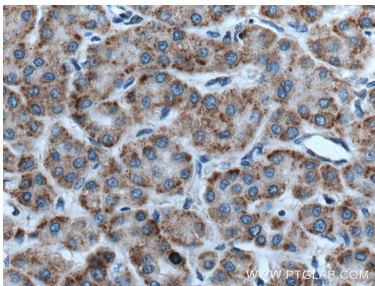
Various lysates were subjected to SDS PAGE followed by western blot with 27592-1-AP (RACK1; GNB2L1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 27592-1-AP (RACK1; GNB2L1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 27592-1-AP (RACK1; GNB2L1 antibody) at dilution of 1:800 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 27592-1-AP (RACK1; GNB2L1 antibody) at dilution of 1:800 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).