

For Research Use Only

# RACK1; GNB2L1 Polyclonal antibody



Catalog Number: 27592-1-AP

3 Publications

## Basic Information

<b>Catalog Number:</b> 27592-1-AP	<b>GenBank Accession Number:</b> BC019093	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10399	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IHC 1:400-1:1600
<b>Source:</b> Rabbit	<b>Full Name:</b> guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 36 kDa	
<b>Immunogen Catalog Number:</b> AG26708	<b>Observed MW:</b> 31 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Cited Applications:

WB

### Species Specificity:

Human, mouse, rat

### Cited Species:

monkey, mouse, pig

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

IHC : human liver cancer tissue, human stomach cancer tissue

## 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
Chao Yang	33677370	Vet Microbiol	WB
Chao Yang	32247758	Virus Res	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

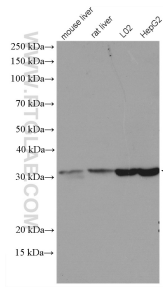
For technical support and original validation data for this product please contact:

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

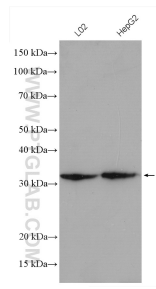
E: proteintech@ptglab.com  
W: ptglab.com

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

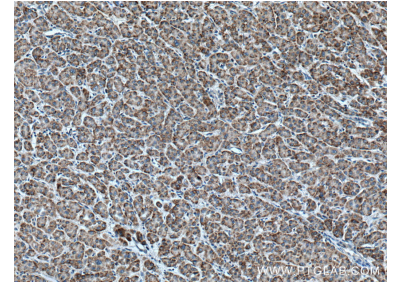
## Selected Validation Data



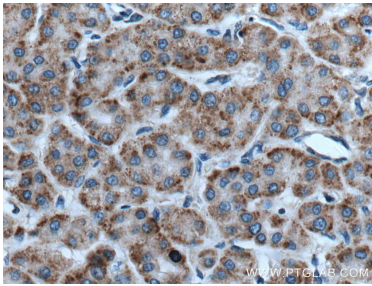
Various lysates were subjected to SDS PAGE followed by western blot with 27592-1-AP (RACK1; GNB2L1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



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)).