

For Research Use Only

RACK1; GNB2L1 Polyclonal antibody



Catalog Number: 27592-1-AP

Featured Product

11 Publications

Basic Information

Catalog Number:

27592-1-AP

Size:

500 µg/ml

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:

IHC, WB, ELISA

Cited Applications:

WB, IP, IF, RIP, CoIP

Species Specificity:

Human, mouse, rat

Cited Species:

human, mouse, monkey, 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
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

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

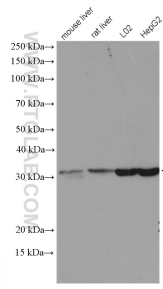
T: 4006900926

E: Proteintech-CN@ptglab.com

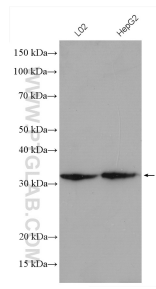
W: ptgcn.com

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

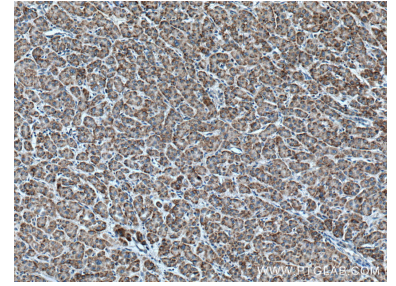
Selected Validation Data



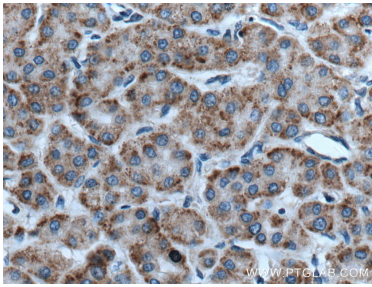
Various lysates were subjected to SDS PAGE followed by western blot with 27592-1-AP (RACK1; GNB2L1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



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).