

For Research Use Only

# GCGR Polyclonal antibody

Catalog Number: 26784-1-AP

5 Publications



## Basic Information

### Catalog Number:

26784-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG24861

### GenBank Accession Number:

BC104854

### GeneID (NCBI):

2642

### UNIPROT ID:

P47871

### Full Name:

glucagon receptor

### Calculated MW:

477 aa, 54 kDa

### Observed MW:

62-68 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse

### Cited Species:

mouse

**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, mouse heart tissue

IHC : human liver tissue, human skeletal muscle tissue

## Background Information

Glucagon receptor (GCGR) is a secretin-like (class B) family of G-protein coupled receptors (GPCRs). It plays an important role in elevating the glucose concentration in the blood and has thus become one of the promising therapeutic targets for treating type 2 diabetes mellitus (PMID: 26236379). GCGR is a 62-kDa glycoprotein that contains at least four N-linked oligosaccharide chains (PMID: 2174441; 15245877). Defects in the gene of GCGR cause non-insulin-dependent diabetes mellitus (NIDDM).

## Notable Publications

Author	Pubmed ID	Journal	Application
Kangli Wang	36383639	Am J Physiol Endocrinol Metab	WB,IF
Xiaona Cui	35789836	iScience	WB,IF
Jing Xu	31306684	Toxicology	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

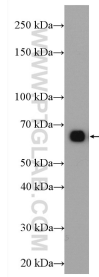
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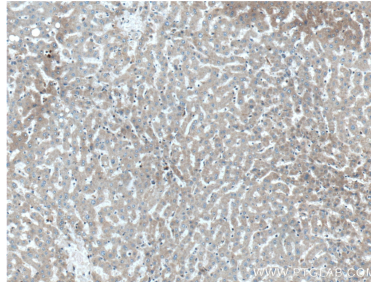
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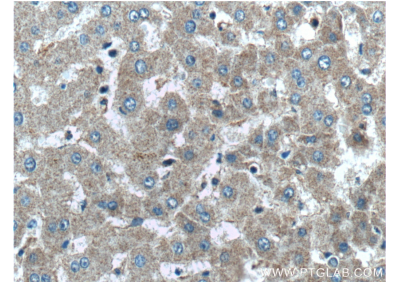
## Selected Validation Data



mouse liver tissue were subjected to SDS PAGE followed by western blot with 26784-1-AP (GCGR antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 26784-1-AP (GCGR antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 26784-1-AP (GCGR antibody) at dilution of 1:200 (under 40x lens).