

For Research Use Only

GCGR Polyclonal antibody

Catalog Number: 26784-1-AP **5 Publications**



Basic Information

| | | |
|---|--|--|
| Catalog Number: 26784-1-AP | GenBank Accession Number: BC104854 | Purification Method: Antigen affinity purification |
| Size: 150ul, Concentration: 450 µg/ml by Nanodrop and 367 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 2642 | Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 |
| Source: Rabbit | Full Name: glucagon receptor | |
| Isotype: IgG | Calculated MW: 477 aa, 54 kDa | |
| Immunogen Catalog Number: AG24861 | Observed MW: 62 kDa | |

Applications

| | |
|--|--|
| Tested Applications: IHC, WB, ELISA | Positive Controls: |
| Cited Applications: IF, IHC, WB | WB: mouse liver tissue, mouse heart tissue |
| Species Specificity: human, mouse | IHC: human liver tissue, human skeletal muscle tissue |
| 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 | |

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 the treatment of 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 are a cause of 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

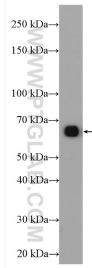
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

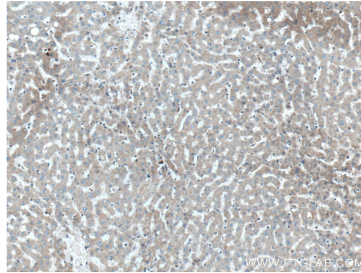
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

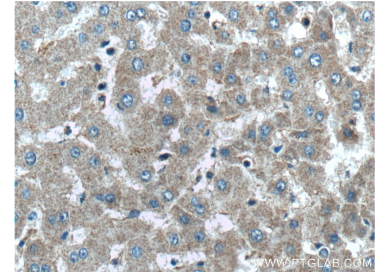
Selected Validation Data



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).