

Datasheet for ABIN6258919

anti-Glucagon Receptor antibody (Internal Region)[Go to Product page](#)**2** Images

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | Glucagon Receptor (GCGR) |
| Binding Specificity: | Internal Region |
| Reactivity: | Human, Rat, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Glucagon Receptor antibody is un-conjugated |
| Application: | ELISA, Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC) |

Product Details

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|-----------------------|---|
| Immunogen: | A synthesized peptide derived from human GLR, corresponding to a region within the internal amino acids. |
| Isotype: | IgG |
| Specificity: | GLR Antibody detects endogenous levels of total GLR. |
| Predicted Reactivity: | Pig,Bovine,Horse,Dog |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |

Target Details

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|---------|--------------------------|
| Target: | Glucagon Receptor (GCGR) |
|---------|--------------------------|

Target Details

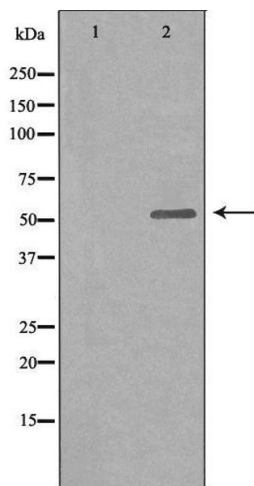
| | |
|-------------------|--|
| Alternative Name: | GCGR (GCGR Products) |
| Background: | <p>Description: G-protein coupled receptor for glucagon that plays a central role in the regulation of blood glucose levels and glucose homeostasis. Regulates the rate of hepatic glucose production by promoting glycogen hydrolysis and gluconeogenesis. Plays an important role in mediating the responses to fasting. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Promotes activation of adenylate cyclase. Besides, plays a role in signaling via a phosphatidylinositol-calcium second messenger system.</p> <p>Gene: GCGR</p> |
| Molecular Weight: | 54 kDa |
| Gene ID: | 2642 |
| UniProt: | P47871 |
| Pathways: | Carbohydrate Homeostasis, Regulation of Carbohydrate Metabolic Process |

Application Details

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| Application Notes: | WB 1:500-1:1000, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000 |
| Restrictions: | For Research Use only |

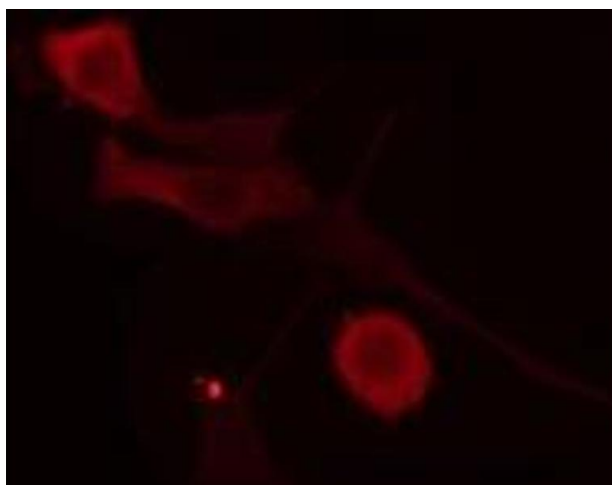
Handling

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|--------------------|--|
| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20 °C. Stable for 12 months from date of receipt. |
| Expiry Date: | 12 months |



Western Blotting

Image 1. Western blot analysis of extracts from COLO205 cells, using GLR antibody. The lane on the left is treated with the antigen-specific peptide.



Immunofluorescence (fixed cells)

Image 2. ABIN6275999 staining COLO205 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody (Cat.# S0006), diluted at 1/600, was used as secondary antibody