

Glucagon receptor Antibody (internal region, near the C-Term)
Peptide-affinity purified goat antibody
Catalog # AF2587a

Specification

Glucagon receptor Antibody (internal region, near the C-Term) - Product Information

| | |
|-------------------|--|
| Application | E |
| Primary Accession | P47871 |
| Other Accession | NP_000151.1 , 2642 |
| Predicted | Human |
| Host | Goat |
| Clonality | Polyclonal |
| Concentration | 0.5 mg/ml |
| Isotype | IgG |
| Calculated MW | 54009 |

Glucagon receptor Antibody (internal region, near the C-Term) - Additional Information

Gene ID 2642

Other Names

Glucagon receptor, GL-R, GCGR

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Glucagon receptor Antibody (internal region, near the C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Glucagon receptor Antibody (internal region, near the C-Term) - Protein Information

Name GCGR

Function

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.

Cellular Location

Cell membrane; Multi-pass membrane protein. Note=Is rapidly internalized after ligand-binding

Glucagon receptor Antibody (internal region, near the C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Glucagon receptor Antibody (internal region, near the C-Term) - Images**Glucagon receptor Antibody (internal region, near the C-Term) - References**

Glucagon receptor knockout mice display increased insulin sensitivity and impaired beta-cell function. Sorensen H, Winzell MS, Brand CL, Fosgerau K, Gelling RW, Nishimura E, Ahren B. Diabetes. 2006 Dec;55(12):3463-9. PMID: 17130493