

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

**Specification**

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

Application	E
Primary Accession	<a href="#">P47871</a>
Other Accession	<a href="#">NP_000151.1</a> , <a href="#">2642</a>
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

**Dilution**

E~~N/A

**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