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

Peptide-affinity purified goat antibody
Catalog # AF2587a

Specification

Glucogon 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**

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

Glucogon 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

Glucogon 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 Cytomety
- Cell Culture

Glucogon receptor Antibody (internal region, near the C-Term) - Images

Glucogon 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