

**Glucagon Receptor Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51226****Specification**

---

**Glucagon Receptor Antibody - Product Information**

Application	WB, IHC-P, E
Primary Accession	<a href="#">P47871</a>
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	62 KDa

**Glucagon Receptor Antibody - Additional Information****Gene ID** 2642**Other Names**

Glucagon receptor, GL-R, GCGR

**Target/Specificity**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Glucagon Receptor. The exact sequence is proprietary.

**Dilution**

WB~~1:1000

IHC-P~~N/A

E~~N/A

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Glucagon Receptor Antibody - 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 - 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 - Images****Glucagon Receptor Antibody - Background**

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.

**Glucagon Receptor Antibody - References**

Macneil D.J.,et al.Biochem. Biophys. Res. Commun. 198:328-334(1994).  
Lok S.,et al.Gene 140:203-209(1994).  
Menzel S.,et al.Genomics 20:327-328(1994).  
Buggy J.J.,et al.Diabetes 46:1400-1405(1997).  
Ruckert C.,et al.J. Biol. Chem. 281:2306-2316(2006).