

## Anti-GCGR Antibody (7J909)

## Product Details

Ig Type:	Human IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	7J909
Purification:	Affinity-chromatography

## Applications

Verified Activity:	1. The Binding Activity of Human GCGR with Anti-GCGR recombinant antibody. Activity: Measured by its binding ability in a functional ELISA. Immobilized Human GCGR at 2 µg/mL can bind Anti-GCGR recombinant antibody, the EC50 is 14.57-32.56 ng/mL.
	2. The Binding Activity of Human GCGR with Anti-GCGR recombinant antibody. Activity: Measured by its binding ability in a functional ELISA. Immobilized Human GCGR at 2 µg/mL can bind Anti-GCGR recombinant antibody, the EC50 is 104.1-179.5 ng/mL.
Application:	ELISA

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human GCGR Protein
Antigen Species:	Human
Gene ID:	2642
Uniprot ID:	P47871
Biology Area:	Cancer, Metabolism, Signal transduction

## Research 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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