**Overview**

**Product name**: Anti-Glucagon Receptor antibody

**Description**: Rabbit polyclonal to Glucagon Receptor

**Host species**: Rabbit

**Tested applications**: Suitable for: WB

**Species reactivity**: Reacts with: Human

**Predicted to work with**: Macaque monkey, Gorilla

**Immunogen**: Synthetic peptide conjugated to KLH derived from within residues 300 - 400 of Human Glucagon Receptor. Read Abcam's proprietary immunogen policy

**Positive control**: This antibody gave a positive signal in the following whole cell lysates: Caco2; HepG2; SW480.

**Properties**

**Form**: Liquid

**Storage instructions**: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

**Storage buffer**: pH: 7.40
Preservative: 0.02% Sodium azide
Constituent: PBS

Note: Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

**Purity**: Immunogen affinity purified

**Clonality**: Polyclonal

**Isotype**: IgG

**Applications**

Our Abpromise guarantee covers the use of ab109279 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
**Function**

This is a receptor for glucagon which plays a central role in regulating the level of blood glucose by controlling the rate of hepatic glucose production and insulin secretion. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase and also a phosphatidylinositol-calcium second messenger system.

**Sequence similarities**

Belongs to the G-protein coupled receptor 2 family.

**Cellular localization**

Cell membrane.

**Images**

**Western blot - Anti-Glucagon Receptor antibody (ab109279)**

**All lanes** : Anti-Glucagon Receptor antibody (ab109279) at 1/250 dilution (Milk Blocking - 3%)

**Lane 1** : Caco 2 (Human colonic carcinoma cell line) Whole Cell Lysate

**Lane 2** : HepG2 (Human hepatocellular liver carcinoma cell line) Whole Cell Lysate

**Lane 3** : SW480 (Human colon adenocarcinoma cell line) Whole Cell Lysate

Lysates/proteins at 20 µg per lane.

**Secondary**

**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (ab97080) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size**: 54 kDa

**Observed band size**: 54 kDa

**Additional bands at**: 25 kDa, 51 kDa (possible cleavage fragment). We are unsure as to the identity of these extra bands.

**Exposure time**: 20 minutes
The band observed at 51 kDa could potentially be a cleaved form of Glucagon Receptor due to the presence of a 25 amino acid signal peptide.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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