

Anti-Glucagon GCG Antibody

Catalog Number: A00678-1

About GCG

Mediates the production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3). Plays an important role in the regulation of intracellular signaling cascades. Becomes activated in response to ligand-mediated activation of receptor-type tyrosine kinases, such as PDGFRA, PDGFRB, FGFR1, FGFR2, FGFR3 and FGFR4. Plays a role in actin reorganization and cell migration.

Denis Tvorogov, J. Cell Sci., Feb 2005; 118: 601 - 610.

Brenda J. Irvin, Mol. Cell. Biol., Dec 2000; 20: 9149 - 9161.

Benoit Poulin, J. Biol. Chem., Feb 2000; 275: 6411.

Ichiro Nakamura, J. Cell Biol., Jan 2001; 152: 361.

Overview

Product Name	Anti-Glucagon GCG Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Glucagon GCG Antibody catalog # A00678-1. Tested in WB,IHC applications. This antibody reacts with Human,Mouse,Rat.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P01275

Technical Details

Immunogen	Synthesized peptide derived from human PLC gamma1 around the phosphorylation site of Y783.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml

Purification	ProA affinity purified
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB: 1:500-1:1,000 IHC: 1:50-1:200

Anti-Glucagon GCG Antibody (A00678-1) Images

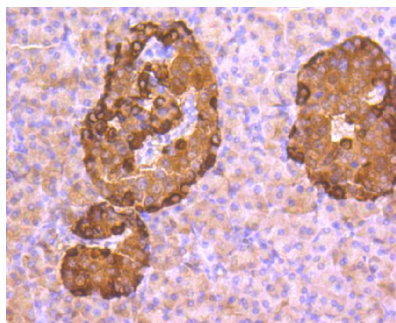


Figure 1. Immunohistochemistry validation of GCG using Anti-Glucagon GCG Antibody (A00678-1).

Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-Glucagon antibody. Counter stained with hematoxylin.
For more protocol information of IHC

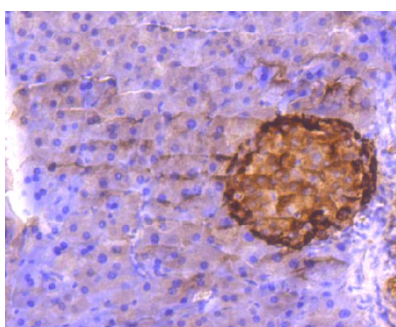


Figure 2. Immunohistochemistry validation of GCG using Anti-Glucagon GCG Antibody (A00678-1).

Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue using anti-Glucagon antibody. Counter stained with hematoxylin.
For more protocol information of IHC

1 Publications Citing This Product

1. PubMed ID: 32328034, Huo K,Li X,Hu W,Song X,Zhang D,Zhang X,Chen X,Yuan J,Zuo J,Wang X.RFRP-3, the Mammalian Ortholog of GnIH, Is a Novel Modulator Involved in Food Intake and Glucose Homeostasis.Front Endocrinol (Lausanne). 2020 Apr 9;11:194.doi:10.3389/fendo.2020.00194.PMID

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