

Anti-Glucagon GCG Rabbit Monoclonal Antibody

Catalog Number: M00678

About GCG

Dynamin-related GTPase required for mitochondrial fusion and regulation of apoptosis. May form a diffusion barrier for proteins stored in mitochondrial cristae. Proteolytic processing in response to intrinsic apoptotic signals may lead to disassembly of OPA1 oligomers and release of the caspase activator cytochrome C (CYCS) into the mitochondrial intermembrane space.

Overview

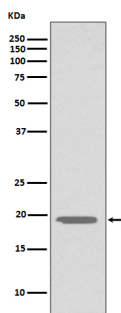
Product Name	Anti-Glucagon GCG Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Glucagon GCG Rabbit Monoclonal Antibody catalog # M00678. Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC, WB
Clonality	Monoclonal AOAF-7
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
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	A synthesized peptide derived from human Glucagon
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
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 1:500-1:2000 IHC 1:50-1:200
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Anti-Glucagon GCG Rabbit Monoclonal Antibody (M00678) Images



Western blot analysis of Glucagon expression in HepG2 cell lysate.

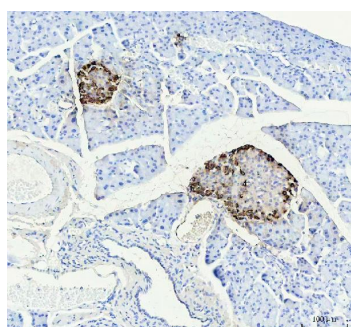


Figure 2. IHC analysis of Glucagon using anti-Glucagon antibody (M00678). Glucagon was detected in a paraffin-embedded section of mouse pancreas tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-Glucagon Antibody (M00678) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

6 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 32328034
2. PubMed ID: 20842108, Tang Mm, Zhu Qe, Fan Wz, Zhang Sl, Li Dz, Liu Lz, Chen M, Zhang M, Zhou J, Wei Cj. *Mol Ther*. 2011 Jan;19(1):60-6. Doi: 10.1038/Mt.2010.187. Epub 2010 Sep 14. Intra-Arterial Targeted Islet-Specific Expression Of Sirt1 Protects ?? Cells From Strepto...
3. PubMed ID: 23762850, Zhang Y, Ye C, Wang G, Gao Y, Tan K, Zhuo Z, Liu Z, Xia H, Yang D, Li P. *Biomed Res Int*. 2013;2013:526367. Doi: 10.1155/2013/526367. Epub 2013 May 27. Kidney-Targeted Transplantation Of Mesenchymal Stem Cells By Ultrasound-Targeted Microbubble Des...

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