

Glucagon Rabbit mAb

Catalog No.: A23029 **Recombinant**

Basic Information

Observed MW

Refer to figures

Calculated MW

21kDa

Category

Primary antibody

Applications

ELISA, IHC-P, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC56936

Background

The protein encoded by this gene is actually a preproprotein that is cleaved into four distinct mature peptides. One of these, glucagon, is a pancreatic hormone that counteracts the glucose-lowering action of insulin by stimulating glycogenolysis and gluconeogenesis. Glucagon is a ligand for a specific G-protein linked receptor whose signalling pathway controls cell proliferation. Two of the other peptides are secreted from gut endocrine cells and promote nutrient absorption through distinct mechanisms. Finally, the fourth peptide is similar to glicentin, an active enteroglucagon.

Recommended Dilutions

| | |
|--------|-----------------|
| IHC-P | 1:1000 - 1:5000 |
| IF/ICC | 1:100 - 1:500 |

Immunogen Information

Gene ID

2641

Swiss Prot

P01275

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Glucagon (NP_002045.1).

Synonyms

GLP1; GLP2; GRPP; GLP-1; Glucagon

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

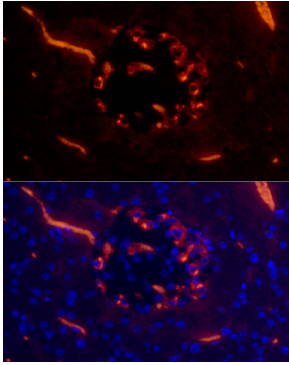
Affinity purification

Storage

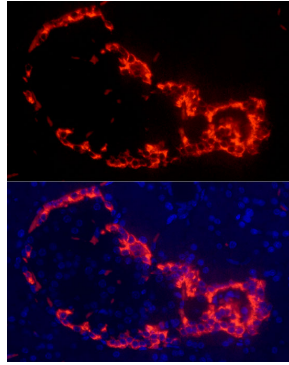
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

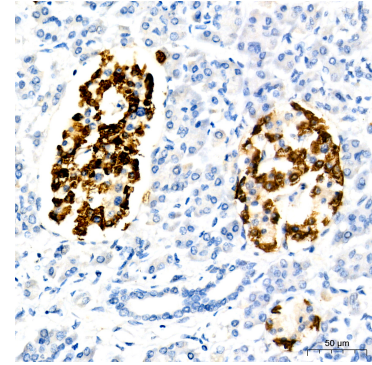
Validation Data



Immunofluorescence analysis of paraffin-embedded mouse pancreas using Glucagon Rabbit mAb (A23029) at dilution of 1:500 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



Immunofluorescence analysis of paraffin-embedded rat pancreas using Glucagon Rabbit mAb (A23029) at dilution of 1:500 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



Immunohistochemistry analysis of Glucagon in paraffin-embedded Human pancreas using Glucagon Rabbit mAb (A23029) at dilution of 1:2500 (40x lens). Perform high pressure antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.