

# GLP-1 Rabbit mAb

Catalog No.: A4981 **Recombinant**

## Basic Information

### Observed MW

**Calculated MW**  
21kDa

**Category**  
Primary antibody

**Applications**  
ELISA, IHC-P, IF/ICC

**Cross-Reactivity**  
Mouse, Rat

**CloneNo number**  
ARC1142

## 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

<b>IHC-P</b>	1:50 - 1:200
<b>IF/ICC</b>	1:50 - 1:200

## Immunogen Information

<b>Gene ID</b>	<b>Swiss Prot</b>
2641	P01275

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 70-150 of human GLP-1 (P01275).

### Synonyms

GLP1; GLP2; GRPP; GLP-1

## Contact

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## Product Information

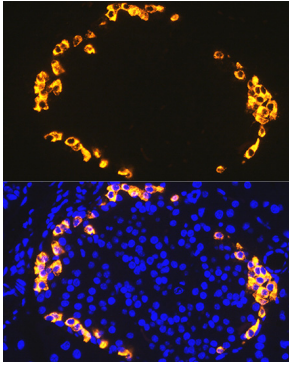
<b>Source</b>	<b>Isotype</b>	<b>Purification</b>
Rabbit	IgG	Affinity purification

### Storage

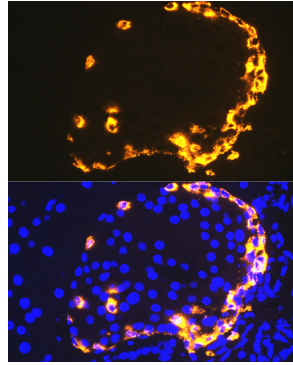
Store at -20°C. Avoid freeze / thaw cycles.  
Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data

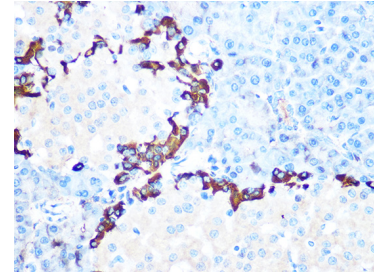
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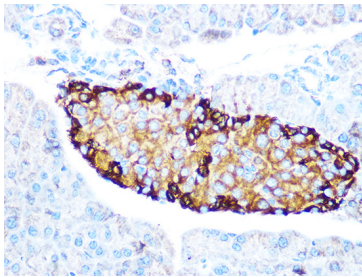
Immunofluorescence analysis of rat pancreas using GLP-1 Rabbit mAb (A4981) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of mouse pancreas using GLP-1 Rabbit mAb (A4981) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Rat pancreas using GLP-1 Rabbit mAb (A4981) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded Mouse pancreas using GLP-1 Rabbit mAb (A4981) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.