

Glucagon

Rabbit Monoclonal antibody(Mab) Catalog # AD80078

Specification

Glucagon - Product info

Application Primary Accession Reactivity Host Clonality Calculated MW

P01275 Human Rabbit Monoclonal 20909

IHC-P

Glucagon - Additional info

Gene ID Gene Name Other Names

Other Names Pro-glucagon, Glicentin, Glicentin-related polypeptide, GRPP, Oxyntomodulin, OXM, OXY, Glucagon, Glucagon-like peptide 1, GLP-1, Incretin hormone, Glucagon-like peptide 1(7-37), GLP-1(7-37), Glucagon-like peptide 1(7-36), GLP-1(7-36), Glucagon-like peptide 2, GLP-2, GCG (HGNC:4191)

2641

GCG

Dilution IHC-P~~Ready-to-use

Storage Maintain refrigerated at 2-8°C

Precautions

Glucagon Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Glucagon - Protein Information

Name GCG (HGNC:4191)

Function

Glucagon plays a key role in glucose metabolism and homeostasis. Regulates blood glucose by increasing gluconeogenesis and decreasing glycolysis. A counterregulatory hormone of insulin, raises plasma glucose levels in response to insulin-induced hypoglycemia. Plays an important role in initiating and maintaining hyperglycemic conditions in diabetes. GLP-2 stimulates intestinal growth and up-regulates villus height in



the small intestine, concomitant with increased crypt cell proliferation and decreased enterocyte apoptosis. The gastrointestinal tract, from the stomach to the colon is the principal target for GLP-2 action. Plays a key role in nutrient homeostasis, enhancing nutrient assimilation through enhanced gastrointestinal function, as well as increasing nutrient disposal. Stimulates intestinal glucose transport and decreases mucosal permeability. Glicentin may modulate gastric acid secretion and the gastro-pyloro-duodenal activity. May play an important role in intestinal mucosal growth in the early period of life. Secreted. Glucagon is secreted in the A cells of the islets of Langerhans. GLP-1, GLP-2,

oxyntomodulin and glicentin are secreted from enteroendocrine cells throughout the gastrointestinal tract. GLP-1 and GLP-2 are also secreted in selected neurons in the brain

Glucagon - Protocols

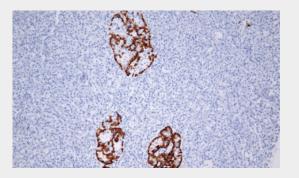
Provided below are standard protocols that you may find useful for product applications.

Western Blot

Cellular Location

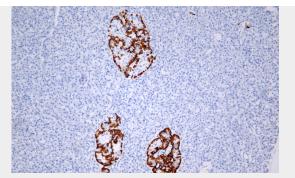
Tissue Location

- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>
- **Glucagon Images**



Pancreas





Immunohistochemical analysis of paraffin-embedded human pancreas tissue using AD80078 performed on the Abcarta® FAIP-30 Fully automated IHC platform.Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a Citrate buffer (pH6. 0).Samples were incubated with primary antibody(Ready-to-use) for 15 min at room temperature. AmpSeeTM Detection Systems[Abcepta:AR005] was used as the secondary antibody.