

**GLP1 Antibody**  
Rabbit mAb  
Catalog # AP91127

## Specification

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### GLP1 Antibody - Product Information

Application	WB, IHC, ICC
Primary Accession	<a href="#">P01275</a>
Clonality	Monoclonal
<b>Other Names</b>	
GCG; GLP-1(7-36); GLP-1(7-37); GLP-2; GLP1; GLP2; Glucagon; GRPP; proglucagon;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	20909 Da

### GLP1 Antibody - Additional Information

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human GLP1</b>
Description	<b>Glucose homeostasis is regulated by a variety of hormones including glucagon. Glucagon is synthesized as the precursor molecule proglucagon and is proteolytically processed to yield the mature peptide in <math>\alpha</math> cells of the pancreatic islets. Glucagon causes the release of glucose from glycogen and stimulates gluconeogenesis in the liver.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

### GLP1 Antibody - 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.

#### Cellular Location

Secreted.

### Tissue Location

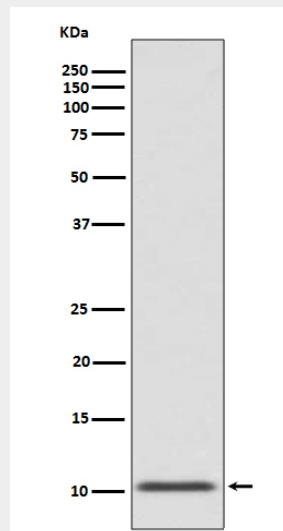
[Glucagon]: Secreted in the A cells of the islets of Langerhans. [Glucagon-like peptide 2]: Secreted from enteroendocrine cells throughout the gastrointestinal tract. Also secreted in selected neurons in the brain [Oxyntomodulin]: Secreted from enteroendocrine cells throughout the gastrointestinal tract

### GLP1 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### GLP1 Antibody - Images



Western blot analysis of GLP1 expression in human fetal pancreas lysate.