

# GLP1 Antibody

Rabbit mAb

Catalog # AP91127

## Product Information

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

## Additional Information

<b>Dilution</b>	WB 1:1000~1:5000 IHC 1:50~1:200 ICC/IF 1:50~1:200
<b>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 $\alpha$ 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.

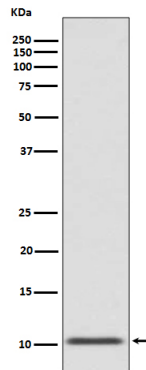
## Protein Information

<b>Name</b>	GCG ( <a href="#">HGNC:4191</a> )
<b>Function</b>	[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. Binds to and activates the glucagon receptor GCGR, which couples to the G(s) G protein and elevates intracellular cAMP, triggering downstream metabolic responses (PubMed: <a href="#">32193322</a> ).
<b>Cellular Location</b>	Secreted.
<b>Tissue Location</b>	[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

## Images

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

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