

## Basic Information

Product Name	Anti-Glucagon/GCG Antibody		
Gene Name	GCG		
Source	Rabbit		
Isotype	IgG		
Species Reactivity	human, mouse, rat		
Tested Application	WB, IHC		
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.		
Immunogen	A synthesized peptide derived from human Glucagon		
concentration	500 ug/ml		
Purification	Affinity-chromatography		
Observed MW	11KD		
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry in paraffin section (IHC): 1:20-100		

## Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

## Background Information

GCG is also known as GLP1, or Glucagon. Glucagon is a 29-amino acid pancreatic hormone that counteracts the glucose-lowering action of insulin by stimulating glycogenolysis and gluconeogenesis. It is mapped to 2q36-2q37. GLP1, also known as 7-37 for the codons of the preproglucagon molecule which encode it, renders pancreatic beta-cells 'glucose-competent' and may be useful in the treatment of noninsulin-dependent diabetes mellitus. Also, GLP1 is a potent insulin secretagogue. It plays a major role in the enteroinsular axis, accounting, for example, for the finding that plasma insulin levels accompanying oral intake of glucose are greater than those observed when glucose is given intravenously.

## Reference

Anti-Glucagon/GCG Antibody被引用在1文献中。

## Selected Validation Data

KDa

250  
150  
100  
75  
50  
37  
25  
20  
15  
10



Western blot analysis of Glucagon expression in HepG2 cell lysate.