



## Anti-GCG (full length) polyclonal antibody (DPAB-DC1302)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	GCG (AAH05278, 1 a.a. ~ 180 a.a) full-length recombinant protein with GST tag. The sequence is  MKSIIYFVAGLFVMLVQGSWQRSLQDTEEKRSRSFSASQADPLSDPDQMNEKRHSQGTFTS DYSKYLDSRRAQDFVQWLMNTKRNRRNNIAKRHDEFERHAEGTFTSDVSSYLEGQAAKEFI AWLVKGRRGRDFPPEEVAIVEELGRRHADGSFSDEMNTILDNLARDFINWLIQTKITDRK
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">GCG glucagon [ Homo sapiens (human) ]</a>
Official Symbol	GCG
Synonyms	GCG; glucagon; GLP1; GLP2; GRPP; preproglucagon; glucagon-like peptide 1; glucagon-like peptide 2; glicentin-related polypeptide;
Entrez Gene ID	<a href="#">2641</a>
Protein Refseq	<a href="#">NP_002045</a>
UniProt ID	<a href="#">P01275</a>
Chromosome Location	2q36-q37
Pathway	Class B/2 (Secretin family receptors); G alpha (q) signalling events; GPCR downstream signaling; Gastrin-CREB signalling pathway via PKC and MAPK
Function	glucagon receptor binding; hormone activity; identical protein binding; protein binding