



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

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

PRODUCT INFORMATION

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

GENE INFORMATION

Gene Name	GCG glucagon [Homo sapiens (human)]
Official Symbol	GCG
Synonyms	GCG; glucagon; GLP1; GLP2; GRPP; preproglucagon; glucagon-like peptide 1; glucagon-like peptide 2; glicentin-related polypeptide;
Entrez Gene ID	2641
Protein Refseq	NP_002045
UniProt ID	P01275
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