



# Rabbit Anti-Human GCG monoclonal antibody, clone KG44-21 (CABT-L882)

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

## PRODUCT INFORMATION

<b>Target</b>	GLP1
<b>Immunogen</b>	Recombinant protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	KG44-21
<b>Purification</b>	Protein A purified.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ICC/IF, IHC
<b>Molecular Weight</b>	21/8/4 kDa
<b>Cellular Localization</b>	Secreted.
<b>Positive Control</b>	PC-12, SW480, human pancreas tissue.
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
<b>Preservative</b>	0.05% Sodium Azide

**Storage**

Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

---

## BACKGROUND

**Introduction**

Glucagon is a pancreatic hormone that functions as an antagonist to insulin, stimulating the conversion of glycogen to glucose and increasing blood sugar levels. Glucagon-like peptide-1 (GLP-1), Glucagon-like peptide-2 (GLP-2), VIP (vasoactive intestinal peptide) and PACAP (pituitary adenylate cyclase activating polypeptide) are members of the Glucagon family of hormones. GLP-1 functions as a transmitter in the central nervous system, inhibiting feeding and drinking behavior, whereas GLP-2 is a stimulator of intestinal epithelial growth. VIP causes vasodilation resulting in the lowering of blood pressure. PACAP is abundant in the hypothalamus and has been shown to increase the synthesis of several hormones, including growth hormone.

---

**Keywords**

GCG;glicentin-related polypeptide;GLP-1;GLP-1(7-36);GLP-1(7-37);GLP-2;GLP1;GLP1, included;GLP2;GLP2, included;GLUC\_HUMAN;Glucagon;Glucagon like peptide 1;glucagon-like peptide 1;Glucagon-like peptide 1, included;Glucagon-like peptide 2;Glucagon-like peptide 2, included;GRPP;OXM;OXY;preproglucagon antibody

---

## GENE INFORMATION

**Entrez Gene ID**

[2641](#)

---

**UniProt ID**

[P01275](#)

---