

Rabbit anti-Human, Mouse GCG / Glucagon Polyclonal Antibody | anti-GCG antibody

Rabbit Polyclonal to Human GCG / Glucagon

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51702	Rabbit	Human, Mouse	Flow Cytometry, Functional Assay, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

GCG / Glucagon; Polyclonal Antibody; Rabbit Polyclonal to Human GCG / Glucagon; Anti-GCG / Glucagon Antibody (N-Terminus) IHC-plus; GCG; GLP2; Glucagon; Glucagon-like peptide 2; GRPP; Glicentin-related polypeptide; GLP1; Glucagon-like peptide 1; Human GCG; anti-GCG antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Ammonium sulfate precipitation
Form/Format	PBS, 0.09% sodium azide
Sequence Length	180
Applicable Applications for anti-GCG antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	KLH conjugated synthetic peptide between amino acids 32 and 63 of human GCG.
Immunogen Type	Synthetic peptide - KLH conjugated
Immunogen	GCG / Glucagon antibody was raised against KLH conjugated synthetic peptide between amino acids 32 and 63 of human GCG.
Antigen Modification	N-Terminus
Preparation and Storage	Short term 4 degree C, long term aliquot and store at -20 degree C, avoid freeze thaw cycles.

IMAGES



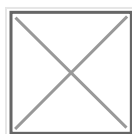
WB (Western Blot)

Western blot of GCG antibody (N-term) in mouse bladder tissue lysates (35 ug/lane). GCG (arrow) was detected using the purified Pab.



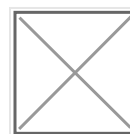
FCM/FACS (Flow Cytometry)

Flow cytometry of HepG2 cells using GCG Antibody (N-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with GCG Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



IHC (Immunohistochemistry)

Anti-Glucagon antibody IHC of human pancreas, islets of Langerhans. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 10 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-GCG antibody	Glucagon is a 29-amino acid pancreatic hormone that counteracts the glucose-lowering action of insulin by stimulating glycogenolysis and gluconeogenesis. Human, rabbit, rat, pig, and cow glucagons are identical. Glucagon is a member of a multigene family that includes secretin, vasoactive intestinal peptide gastric inhibitory peptide, glicentin, and others.
Product Categories/Family for anti-GCG antibody	Family: Hormone

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503945
NCBI GeneID	2641
NCBI Accession #	NP_002045.1
NCBI GenBank Nucleotide #	NM_002054.4
UniProt Accession #	P01275 ; Q53TP6 ; A6NN65
Molecular Weight	20,909 Da
NCBI Official Full Name	glucagon preproprotein
NCBI Official Synonym Full Names	glucagon
NCBI Official Symbol	GCG
NCBI Official Synonym Symbols	GLP1; GLP2; GRPP
NCBI Protein Information	glucagon; preproglucagon; glucagon-like peptide 1; glucagon-like peptide 2; glicentin-related polypeptide
UniProt Protein Name	Glucagon
UniProt Gene Name	GCG
UniProt Synonym Gene Names	GRPP; OXM; OXY; GLP-1; GLP-1(7-37); GLP-1(7-36); GLP-2
UniProt Entry Name	GLUC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gcg-glucagon-antibody-flow-cytometry-western-blot-immunohistochemistry-elisa/51702>