

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

Anti-GCG / Glucagon Antibody (aa119-148) IHC-plus

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162143	Rabbit	Human	Flow Cytometry, Functional Assay, Western Blot, Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

GCG / Glucagon; Polyclonal Antibody; Anti-GCG / Glucagon Antibody (aa119-148) IHC-plus; Rabbit Polyclonal to Human GCG / Glucagon; Human GCG / Glucagon; GLP2; Glucagon; Glucagon-like peptide 2; GRPP; Glicentin-related polypeptide; GLP1; Glucagon-like peptide 1; anti-GCG antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	Human Glucagon
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), IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	GCG / Glucagon antibody was raised against kLH-conjugated synthetic peptide from C-terminal region of human Glucagon.
Immunogen Description	kLH-conjugated synthetic peptide from C-terminal region of human Glucagon.
Immunogen Type	Synthetic peptide
Antigen Modification	aa119-148
Target Species	Human
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric of WiDr cells using Glucagon Antibody (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)

Western blot of Glucagon Antibody in Jurkat cell line lysates (35 ug/lane). GCG (arrow) was detected using the purified antibody.



IF (Immunofluorescence)

Confocal immunofluorescence of Glucagon Antibody with pancreas tissue followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)

Anti-GCG / Glucagon antibody IHC staining of human pancreas. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 1:200.

ADDITIONAL INFORMATION

Related Product Information for anti-GCG antibody

GCG Antibody, GLP2 Antibody, Glucagon Antibody, Glucagon-like peptide 2 Antibody, GRPP Antibody, Glicentin-related polypeptide Antibody, GLP1 Antibody, Glucagon-like peptide 1 Antibody Description: Glucagon plays a key role in glucose metabolism and homeostasis. Regulates blood glucose by increasing gluconeogenesis and decreasing glycolysis. A counterregulatory hormone of insulin, raises plasma glucose levels in response to insulin-induced hypoglycemia. Plays an important role in initiating and maintaining hyperglycemic conditions in diabetes. GLP-1 is a potent stimulator of glucose-dependent insulin release.

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
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-immunofluorescence-immunohistochemistry-elisa/162143>