

Mouse anti-Human, Mouse Glucagon Monoclonal Antibody | anti-GCG antibody

Human Glucagon (PT1696) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA319054	Mouse	Human, Mouse	Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

Glucagon; Monoclonal Antibody; Human Glucagon (PT1696) Mouse Monoclonal Antibody; BH6842; Glucagon [Cleaved into: Glicentin; Glicentin-related polypeptide (GRPP); Oxyntomodulin (OXM)(OXY); Glucagon-like peptide 1 (GLP-1)(Incretin hormone); Glucagon-like peptide 1 (7-37)(GLP-1 (7-37)); Glucagon-like peptide 1 (7-36)(GLP-1 (7-36)); Glucagon-like peptide 2 (GLP-2)]; anti-GCG antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Mouse/IgG2b, Kappa
Specificity	The antibody detects endogenous levels of human Glucagon. Heat-induced epitope retrieval (HIER) Citrate buffer of pH6.0 was highly recommended as antigen repair method in paraffin section
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Applicable Applications for anti-GCG antibody	IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	Synthesized peptide derived from human Glucagon
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Pancreatic carcinoma. 1. Antibody was diluted at 1:200(4 degree overnight). 2. Citric acid.pH6.0 was used for antigen retrieval. 3.Secondary antibody was diluted at 1:200(room temperature. 30min).



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human testis Antibody was diluted at 1:200(4 degree overnight).

ADDITIONAL INFORMATION

Related Product Information for anti-GCG antibody

glucagon (GCG) Homo sapiens. 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. [provided by RefSeq, Jul 2008]

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/monoclonal/glucagon-antibody-immunofluorescence-immunohistochemistry-elisa/319054>