Mouse Glucagon Monoclonal Antibody | anti-GCG antibody

Glucagon Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA330080	**Mouse**	**Human, Mouse, Rat**	**Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

Glucagon; Monoclonal Antibody; Glucagon Mouse Monoclonal Antibody; 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; anti-GCG antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Mouse IgG1
Specificity	GLP1 Antibody detects endogenous levels of total GLP1.
Purity/Purification	Affinity-chromatography.
Form/Format	Mouse IgG1 in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence	MKSIYFVAGL FVMLVQGSWQ RSLQDTEEKS RSFSASQADP LSDPDQMNED KRHSQGTFTS DYSKYLDSRR AQDFVQWLMN TKRNRNNIAK RHDEFERHAE GTFTSDVSSY LEGQAAKEFI AWLVKGRGRR DFPEEVAIVE ELGRRHADGS FSDEMNTILD NLAARDFINW LIQTKITDRK
Applicable Applications for anti-GCG antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GLP1, corresponding to a region within the internal amino acids.
Conjugation	Unconjugated
Expression	Glucagon is secreted in the A cells of the islets of Langerhans. GLP-1, GLP-2, oxyntomodulin and glicentin are secreted from enteroendocrine cells throughout the gastrointestinal tract. GLP-1 and GLP-2 are also secreted in selected neurons in the brain.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES

IHC (Immunohiostchemistry)
AAA330080 at 1/100 staining mouse spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Mouse antibody was used as the secondary antibody.

WB (Western Blot)
Western blot analysis of extracts from various samples, using Glucagon Mouse Monoclonal Antibody. Lane 1: rat spleen tissue treated with blocking-peptides, Lane 2: rat spleen tissue, Lane 3: mouse spleen tissue.

ADDITIONAL INFORMATION

Related Product Information for anti-GCG antibody	GCG 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. Belongs to the glucagon family. Glucagon release is stimulated by hypoglycemia and inhibited by hyperglycemia, insulin, and somatostatin. GLP-1 and GLP-2 are induced in response to nutrient ingestion.
Product Categories/Family for anti-GCG antibody	Primary antibodies

NCBI AND UNIPROT INFORMATION

NCBI GeneID	2641
UniProt Accession #	P01275
Molecular Weight	25kD; 21kD(Calculated)

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-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/330080