# Resource Summary Report

Generated by NIF on Aug 11, 2026

## Monoclonal Anti-Glucagon antibody produced in mouse

RRID:AB_259852
Type: Antibody

### Proper Citation

Sigma-Aldrich Cat# G2654, RRID:AB_259852

### Antibody Information

**URL:** http://antibodyregistry.org/AB_259852

**Proper Citation:** Sigma-Aldrich Cat# G2654, RRID:AB_259852

**Target Antigen:** Glucagon

**Host Organism:** mouse

**Clonality:** monoclonal

**Comments:** Applications: dot blot, immunohistochemistry (formalin-fixed, paraffin-embedded sections), radioimmunoassay

**Antibody Name:** Monoclonal Anti-Glucagon antibody produced in mouse

**Description:** This monoclonal targets Glucagon

**Target Organism:** guinea pig, feline, rat, canine, pig, mouse, rabbit, human

**Clone ID:** K79bB10

**Antibody ID:** AB_259852

**Vendor:** Sigma-Aldrich

**Catalog Number:** G2654

**Record Creation Time:** 20250820T001622+0000

**Record Last Update:** 20250820T075016+0000

### Ratings and Alerts

- Used for immunofluorescence microscopy assay by the Human Islet Research Network community. Contact(s): Peter Arvan - Human Islets Research Network https://hirnetwork.org/

No alerts have been found for Monoclonal Anti-Glucagon antibody produced in mouse.

## Data and Source Information

**Source:** Antibody Registry

## Usage and Citation Metrics

We found 101 mentions in open access literature.

**Listed below are recent publications.** The full list is available at NIF .


McKimpson WM, et al. (2026) Activation of a Yap1-mesenchymal-like program in ?-cells during diabetes. Cell reports, 45(7), 117596.

Bellofatto K, et al. (2026) Implantable vascularized endocrine constructs for clinically scalable insulin delivery. Trends in biotechnology.

Tong Y, et al. (2026) A new form of diabetes caused by INS mutations defined by zygosity, stem cell and population data. EMBO molecular medicine, 18(2), 620.

Filatov E, et al. (2026) CCL22-expressing Stem Cell-derived Islet Grafts Recruit Regulatory T Cells in Mice. Transplantation, 110(1), e116.

Barmaver SN, et al. (2026) Heterogeneous expression patterns of the T2D-associated kinesin-4 KIF21A in pancreatic islet endocrine cells. Molecular metabolism, 110, 102408.

Greisle T, et al. (2025) Generation of a Flattop-T2A-H2B-Venus x C-peptide-mCherry double reporter human iPSC line to monitor WNT/Planar cell polarity pathway activity. Stem cell research, 88, 103838.

Kim LB, et al. (2025) Acute Inhibition of Adipose Triglyceride Lipase by NG497 Dysregulates Insulin and Glucagon Secretion From Human Islets. Endocrinology, 166(7).

Jun Y, et al. (2025) Engineered vasculature induces functional maturation of pluripotent stem cell-derived islet organoids. Developmental cell.

Hahm J, et al. (2025) Bi-Hormonal Endocrine Cell Presence Within the Islets of Langerhans of the Human Pancreas Throughout Life. Cells, 14(1).

Krivova Y, et al. (2025) Detection of Insulin in Insulin-Deficient Islets of Patients with Type 1 Diabetes. Life (Basel, Switzerland), 15(1).

Krivova Y, et al. (2025) Cells Co-Producing Insulin and Glucagon in Congenital Hyperinsulinism. Life (Basel, Switzerland), 16(1).

Roy G, et al. (2025) VDAC1 is a target for pharmacologically induced insulin hypersecretion in ? cells. Cell reports, 44(6), 115834.

Tong JCL, et al. (2025) Localized GLP1 receptor pre-internalization directs pancreatic alpha cell to beta cell communication. Cell metabolism, 37(8), 1698.

Acreman S, et al. (2024) The endoplasmic reticulum plays a key role in ?-cell intracellular Ca2+ dynamics and glucose-regulated glucagon secretion in mouse islets. iScience, 27(5), 109665.

O'Sell J, et al. (2024) Disruption of perinatal myeloid niches impacts the aging clock of pancreatic ? cells. iScience, 27(9), 110644.

Vandenbempt V, et al. (2024) HAMSAB diet ameliorates dysfunctional signaling in pancreatic islets in autoimmune diabetes. iScience, 27(1), 108694.

Edri S, et al. (2024) 3D model of mouse embryonic pancreas and endocrine compartment using stem cell-derived mesoderm and pancreatic progenitors. iScience, 27(6), 109959.

Ewald JD, et al. (2024) HumanIslets: An integrated platform for human islet data access and analysis. bioRxiv : the preprint server for biology.

Westholm E, et al. (2024) IGFBP7 is upregulated in islets from T2D donors and reduces insulin secretion. iScience, 27(9), 110767.

Halloran KM, et al. (2024) Developmental programming: Testosterone excess masculinizes female pancreatic transcriptome and function in sheep. Molecular and cellular endocrinology, 588, 112234.