

Resource Summary Report

Generated by ASWG on Aug 10, 2026

Rat Anti-Human insulin (pro-) / C-peptide Antibody, Unconjugated

RRID:AB_2255626

Type: Antibody

Proper Citation

DSHB Cat# GN-ID4, RRID:AB_2255626

Antibody Information

URL: http://antibodyregistry.org/AB_2255626

Proper Citation: DSHB Cat# GN-ID4, RRID:AB_2255626

Target Antigen: Rat Human insulin (pro-) / C-peptide

Host Organism: rat

Clonality: unknown

Comments: manufacturer recommendations: IgG2a

Antibody Name: Rat Anti-Human insulin (pro-) / C-peptide Antibody, Unconjugated

Description: This unknown targets Rat Human insulin (pro-) / C-peptide

Target Organism: human

Antibody ID: AB_2255626

Vendor: DSHB

Catalog Number: GN-ID4

Record Creation Time: 20250820T002759+0000

Record Last Update: 20250820T082053+0000

Ratings and Alerts

- Used for immunohistochemistry by the Human Islet Research Network community. Contact(s): [Jose Oberholzer](#), [Dale Greiner](#), [Douglas Melton](#) - Human Islets Research Network <https://hirnetwork.org/>

No alerts have been found for Rat Anti-Human insulin (pro-) / C-peptide Antibody, Unconjugated.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 41 mentions in open access literature.

Listed below are recent publications. The full list is available at [ASWG](#) .

Chen G, et al. (2026) Single-cell multi-omic analyses highlight the essential role of NKX2.2-CLEC16A/endosomal pathway for human pancreatic differentiation and function. Cell reports, 45(2), 116990.

Zhang X, et al. (2026) Human pancreatic progenitor organoids define genetic and epigenetic barriers to early PDAC transformation. Developmental cell, 61(6), 1190.

Wang Z, et al. (2026) Pre-adaptation of stem cell-derived islet organoids to hypoxia via zinc transportation inhibition drives angiogenesis. Cell stem cell, 33(4), 676.

Li Q, et al. (2026) Implanted flexible electronics reveal principles of human islet cell electrical maturation. Science (New York, N.Y.), 391(6787), eaeb3295.

Maruoka A, et al. (2025) Expression of genes involved in thyroid hormone action in human induced pluripotent stem cells during differentiation to insulin-producing cells: Effects of iopanoic acid on differentiation. Molecular and cellular endocrinology, 599, 112490.

Preza S, et al. (2025) DEC1 regulates human β cell functional maturation and circadian rhythm. Cell reports, 44(12), 116666.

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

van Tienhoven R, et al. (2025) Genetic protection from type 1 diabetes resulting from accelerated insulin mRNA decay. Cell, 188(9), 2407.

Yu XX, et al. (2025) Reconstructing human pancreatic gene networks enhances stem cell-derived β cell induction. Developmental cell.

Meng G, et al. (2025) Reconstruction of endocrine subtype-complete human pluripotent stem cell-derived islets with capacity for hypoglycemia protection in vivo. Cell stem cell, 32(9), 1438.

Li Q, et al. (2024) Cyborg islets: implanted flexible electronics reveal principles of human islet electrical maturation. *bioRxiv : the preprint server for biology*.

Karakose E, et al. (2024) Cycling alpha cells in regenerative drug-treated human pancreatic islets may serve as key beta cell progenitors. *Cell reports. Medicine*, 5(12), 101832.

Hua H, et al. (2024) Remodeling ceramide homeostasis promotes functional maturation of human pluripotent stem cell-derived β cells. *Cell stem cell*, 31(6), 850.

Andersson-Rolf A, et al. (2024) Long-term in vitro expansion of a human fetal pancreas stem cell that generates all three pancreatic cell lineages. *Cell*, 187(26), 7394.

Wang S, et al. (2024) Transplantation of chemically induced pluripotent stem-cell-derived islets under abdominal anterior rectus sheath in a type 1 diabetes patient. *Cell*, 187(22), 6152.

Gerace D, et al. (2023) Engineering human stem cell-derived islets to evade immune rejection and promote localized immune tolerance. *Cell reports. Medicine*, 4(1), 100879.

Kahraman S, et al. (2023) Fluorescein-based sensors to purify human β -cells for functional and transcriptomic analyses. *eLife*, 12.

Hermann FM, et al. (2023) An insulin hypersecretion phenotype precedes pancreatic β cell failure in MODY3 patient-specific cells. *Cell stem cell*, 30(1), 38.

Choleva L, et al. (2023) Structure-Function Analysis of p57KIP2 in the Human Pancreatic Beta Cell Reveals a Bipartite Nuclear Localization Signal. *Endocrinology*, 165(2).

Xu W, et al. (2023) Architecture of androgen receptor pathways amplifying glucagon-like peptide-1 insulinotropic action in male pancreatic β cells. *Cell reports*, 42(5), 112529.