

Resource Summary Report

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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 [nidm-terms](#) .

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

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.

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.