

Resource Summary Report

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C-Peptide Antibody

RRID:AB_10691857

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 4593, RRID:AB_10691857

Antibody Information

URL: http://antibodyregistry.org/AB_10691857

Proper Citation: Cell Signaling Technology Cat# 4593, RRID:AB_10691857

Target Antigen: C-Peptide

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: IHC-P, IHC-F, IF-F, IF-IC. Consolidation on 11/2018: AB_10691857, AB_659819.

Antibody Name: C-Peptide Antibody

Description: This polyclonal targets C-Peptide

Target Organism: rat, h, m, mouse, r, human

Antibody ID: AB_10691857

Vendor: Cell Signaling Technology

Catalog Number: 4593

Record Creation Time: 20250820T001650+0000

Record Last Update: 20250820T075104+0000

Ratings and Alerts

- Used by Campbell-Thompson for paraffin and fresh frozen staining protocols for human pancreatic islets. - Campbell-Thompson et al, 2012

No alerts have been found for C-Peptide Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Zhu D, et al. (2025) Enhanced viability and functional maturity of iPSC-derived islet organoids by collagen-VI-enriched ECM scaffolds. *Cell stem cell*, 32(4), 547.

Liu YN, et al. (2025) Synaptotagmin-7 deficit causes insulin hypoactivity and contributes to behavioral alterations in mice. *iScience*, 28(5), 112354.

Leavens KF, et al. (2024) Generation of a fluorescent mNeonGreen insulin reporter line in the H1 (WA01) hESC background. *Stem cell research*, 81, 103559.

Sim EZ, et al. (2023) Protocol to generate human pluripotent stem cell-derived pancreatic β cells through methionine and zinc deprivation. *STAR protocols*, 4(2), 102183.

Francis M, et al. (2023) Deubiquitinase USP1 influences the dedifferentiation of mouse pancreatic β -cells. *iScience*, 26(5), 106771.

Sim EZ, et al. (2022) Methionine metabolism regulates pluripotent stem cell pluripotency and differentiation through zinc mobilization. *Cell reports*, 40(3), 111120.

Wang J, et al. (2022) Isolation of mouse pancreatic islet Procr⁺ progenitors and long-term expansion of islet organoids in vitro. *Nature protocols*, 17(5), 1359.

Cui X, et al. (2022) Pro- β -cell-derived β -cells contribute to β -cell neogenesis induced by antagonistic glucagon receptor antibody in type 2 diabetic mice. *iScience*, 25(7), 104567.

Breunig M, et al. (2021) Modeling plasticity and dysplasia of pancreatic ductal organoids derived from human pluripotent stem cells. *Cell stem cell*, 28(6), 1105.

Gribben C, et al. (2021) Ductal Ngn3-expressing progenitors contribute to adult β cell neogenesis in the pancreas. *Cell stem cell*, 28(11), 2000.

Kishore S, et al. (2020) A Non-Coding Disease Modifier of Pancreatic Agenesis Identified by Genetic Correction in a Patient-Derived iPSC Line. *Cell stem cell*, 27(1), 137.

Wang D, et al. (2020) Long-Term Expansion of Pancreatic Islet Organoids from Resident Procr⁺ Progenitors. *Cell*, 180(6), 1198.

Cardenas-Diaz FL, et al. (2020) A Dual Reporter EndoC- β H1 Human β -Cell Line for Efficient Quantification of Calcium Flux and Insulin Secretion. *Endocrinology*, 161(2).

Cozzitorto C, et al. (2020) A Specialized Niche in the Pancreatic Microenvironment Promotes Endocrine Differentiation. *Developmental cell*, 55(2), 150.

Cardenas-Diaz FL, et al. (2019) Modeling Monogenic Diabetes using Human ESCs Reveals Developmental and Metabolic Deficiencies Caused by Mutations in HNF1A. *Cell stem cell*, 25(2), 273.

Balboa D, et al. (2018) Insulin mutations impair beta-cell development in a patient-derived iPSC model of neonatal diabetes. *eLife*, 7.

Saber N, et al. (2018) Sex Differences in Maturation of Human Embryonic Stem Cell-Derived β Cells in Mice. *Endocrinology*, 159(4), 1827.

Doyle ME, et al. (2018) Insulin Is Transcribed and Translated in Mammalian Taste Bud Cells. *Endocrinology*, 159(9), 3331.