

Resource Summary Report

Generated by [dkNET](#) on Aug 27, 2026

PDX1 antibody

RRID:AB_777178

Type: Antibody

Proper Citation

Abcam Cat# ab47308, RRID:AB_777178

Antibody Information

URL: http://antibodyregistry.org/AB_777178

Proper Citation: Abcam Cat# ab47308, RRID:AB_777178

Target Antigen: PDX1

Host Organism: guinea pig

Clonality: polyclonal

Comments: validation status unknown, seller recommendations provided in 2012: Immunocytochemistry; Immunofluorescence; Immunohistochemistry; Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Fr, Immunohistochemistry-P

Antibody Name: PDX1 antibody

Description: This polyclonal targets PDX1

Target Organism: mouse, human

Antibody ID: AB_777178

Vendor: Abcam

Catalog Number: ab47308

Record Creation Time: 20250820T001237+0000

Record Last Update: 20250820T073937+0000

Ratings and Alerts

- Used by Campbell-Thompson for paraffin and fresh frozen staining protocols for human pancreatic islets. - Campbell-Thompson et al, 2012
<https://dx.doi.org/10.3791/4068>

No alerts have been found for PDX1 antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Li KR, et al. (2025) Spatiotemporal and genetic cell lineage tracing of endodermal organogenesis at single-cell resolution. *Cell*, 188(3), 796.

Darrigrand JF, et al. (2025) Generation of human iPSC-derived pancreatic organoids to study pancreas development and disease. *F1000Research*, 14, 575.

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

Ee LS, et al. (2025) Enhancer remodeling by OTX2 directs specification and patterning of mammalian definitive endoderm. *Developmental cell*.

Yu F, et al. (2024) Pancreatic β cell interleukin-22 receptor subunit alpha 1 deficiency impairs β cell function in type 2 diabetes via cytochrome b5 reductase 3. *Cell reports*, 43(12), 115057.

Cuozzo F, et al. (2024) LDHB contributes to the regulation of lactate levels and basal insulin secretion in human pancreatic β cells. *Cell reports*, 43(4), 114047.

Zook HN, et al. (2024) Activation of ductal progenitor-like cells from adult human pancreas requires extracellular matrix protein signaling. *iScience*, 27(3), 109237.

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.

Zhu H, et al. (2023) Understanding cell fate acquisition in stem-cell-derived pancreatic islets using single-cell multiome-inferred regulomes. *Developmental cell*, 58(9), 727.

Cujba AM, et al. (2022) An HNF1 β truncation associated with maturity-onset diabetes of the young impairs pancreatic progenitor differentiation by antagonizing HNF1 β function. *Cell reports*, 38(9), 110425.

Xi Y, et al. (2022) Glucagon-receptor-antagonism-mediated β -cell regeneration as an effective anti-diabetic therapy. *Cell reports*, 39(9), 110872.

Pedraza-Arevalo S, et al. (2022) Differentiation of beta-like cells from human induced pluripotent stem cell-derived pancreatic progenitor organoids. *STAR protocols*, 3(3), 101656.

Sakhneny L, et al. (2021) The postnatal pancreatic microenvironment guides β cell maturation through BMP4 production. *Developmental cell*, 56(19), 2703.

Ramzy A, et al. (2021) Implanted pluripotent stem-cell-derived pancreatic endoderm cells secrete glucose-responsive C-peptide in patients with type 1 diabetes. *Cell stem cell*, 28(12), 2047.

Nasteska D, et al. (2021) PDX1LOW MAFALOW β -cells contribute to islet function and insulin release. *Nature communications*, 12(1), 674.

Koike H, et al. (2021) Engineering human hepato-biliary-pancreatic organoids from pluripotent stem cells. *Nature protocols*, 16(2), 919.

Blanco AM, et al. (2020) Goldfish adipocytes are pancreatic beta cell-like, glucose-responsive insulin-producing cells. *Journal of cellular physiology*, 235(10), 6875.

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

Viloria K, et al. (2020) Vitamin-D-Binding Protein Contributes to the Maintenance of β Cell Function and Glucagon Secretion. *Cell reports*, 31(11), 107761.

Ramzy A, et al. (2018) Insulin-Deficient Mouse β -Cells Do Not Fully Mature but Can Be Remedied Through Insulin Replacement by Islet Transplantation. *Endocrinology*, 159(1), 83.