

Resource Summary Report

Generated by [NIF](#) on Sep 2, 2026

Insulin antibody

RRID:AB_306130

Type: Antibody

Proper Citation

Abcam Cat# ab7842, RRID:AB_306130

Antibody Information

URL: http://antibodyregistry.org/AB_306130

Proper Citation: Abcam Cat# ab7842, RRID:AB_306130

Target Antigen: Insulin antibody

Host Organism: guinea pig

Clonality: polyclonal

Comments: Applications: Flow Cyt, ICC/IF, IHC-FoFr, IHC-Fr, IHC-P; Immunofluorescence; Immunohistochemistry; Immunohistochemistry - fixed; Immunocytochemistry; Flow Cytometry; Western Blot; Immunohistochemistry - frozen
Info: Used by Czech Centre for Phenogenomics

Antibody Name: Insulin antibody

Description: This polyclonal targets Insulin antibody

Target Organism: rat, hamster, mouse, human

Antibody ID: AB_306130

Vendor: Abcam

Catalog Number: ab7842

Record Creation Time: 20250820T030454+0000

Record Last Update: 20250820T151804+0000

Ratings and Alerts

- Used by Czech Centre for Phenogenomics - Czech Centre for Phenogenomics
<https://www.phenogenomics.cz/>

No alerts have been found for Insulin antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 59 mentions in open access literature.

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

Pintado C, et al. (2026) Chronic attenuation of brain leptin signalling is associated with early metabolic dysfunction in lean rats. *The Journal of physiology*, 604(12), 4717.

Li X, et al. (2025) Uric Acid Causes Pancreatic β Cell Death and Dysfunction via Modulating CHOP-Mediated Endoplasmic Reticulum Stress Pathways. *Diseases (Basel, Switzerland)*, 13(7).

Gong L, et al. (2025) Rapid generation of functional vascular organoids via simultaneous transcription factor activation of endothelial and mural lineages. *Cell stem cell*, 32(8), 1200.

Max-Harry IM, et al. (2025) Overexpression of PTHrP in β Cells Reveals Key Effects on Endoplasmic Reticulum Stress. *Endocrinology*, 166(8).

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.

Rakshit K, et al. (2024) Core circadian transcription factor Bmal1 mediates β cell response and recovery from pro-inflammatory injury. *iScience*, 27(11), 111179.

Hatano R, et al. (2024) Mosaic ablation of pancreatic β cells induces de-differentiation and repetitive proliferation of residual β cells in adult mice. *iScience*, 27(9), 110656.

Zhu S, et al. (2024) Islet cell stress induced by insulin-degrading enzyme deficiency promotes regeneration and protection from autoimmune diabetes. *iScience*, 27(6), 109929.

Basile G, et al. (2023) Excess pancreatic elastase alters acinar- β cell communication by impairing the mechano-signaling and the PAR2 pathways. *Cell metabolism*, 35(7), 1242.

Zaïmia N, et al. (2023) GLP-1 and GIP receptors signal through distinct β -arrestin 2-dependent pathways to regulate pancreatic β cell function. *Cell reports*, 42(11), 113326.

Gurlo T, et al. (2023) Efficacy of IAPP suppression in mouse and human islets by GLP-1 analogue conjugated antisense oligonucleotide. *Frontiers in molecular biosciences*, 10, 1096286.

Dong G, et al. (2023) Palmitoylation couples insulin hypersecretion with β cell failure in diabetes. *Cell metabolism*, 35(2), 332.

Liu J, et al. (2023) β -Cell glucokinase expression was increased in type 2 diabetes subjects with better glycemic control. *Journal of diabetes*, 15(5), 409.

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

Ding L, et al. (2023) *Zhx2* maintains islet β -cell mass and function by transcriptionally regulating *Pax6*. *iScience*, 26(6), 106871.

Sekiya M, et al. (2023) Loss of CtBP2 may be a mechanistic link between metabolic derangements and progressive impairment of pancreatic β cell function. *Cell reports*, 42(8), 112914.

Ni Q, et al. (2022) mTORC1 is required for epigenetic silencing during β -cell functional maturation. *Molecular metabolism*, 64, 101559.

Fauzi M, et al. (2022) Preservation effect of imeglimin on pancreatic β -cell mass: Noninvasive evaluation using ¹¹¹In-exendin-4 SPECT/CT imaging and the perspective of mitochondrial involvements. *Frontiers in endocrinology*, 13, 1010825.

Shirakawa J, et al. (2022) E2F1 transcription factor mediates a link between fat and islets to promote β cell proliferation in response to acute insulin resistance. *Cell reports*, 41(1), 111436.

Jiménez-Sánchez C, et al. (2022) Circulating 1,5-Anhydroglucitol as a Biomarker of β -cell Mass Independent of a Diabetes Phenotype in Human Subjects. *The Journal of clinical endocrinology and metabolism*, 107(10), 2833.