

Resource Summary Report

Generated by [RRID](#) on Aug 5, 2026

Insulin Antibody

RRID:AB_659820

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 4590, RRID:AB_659820

Antibody Information

URL: http://antibodyregistry.org/AB_659820

Proper Citation: Cell Signaling Technology Cat# 4590, RRID:AB_659820

Target Antigen: Insulin

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: IHC-P, IF-F, IF-IC, F. Consolidation on 10/2018: AB_10694498, AB_659820.

Info: Used by Czech Centre for Phenogenomics

Antibody Name: Insulin Antibody

Description: This polyclonal targets Insulin

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

Antibody ID: AB_659820

Vendor: Cell Signaling Technology

Catalog Number: 4590

Record Creation Time: 20250820T041041+0000

Record Last Update: 20250820T181525+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 12 mentions in open access literature.

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

Lopez-Tello J, et al. (2023) Fetal manipulation of maternal metabolism is a critical function of the imprinted Igf2 gene. Cell metabolism, 35(7), 1195.

Lu B, et al. (2022) Alpha Cell Thioredoxin-interacting Protein Deletion Improves Diabetes-associated Hyperglycemia and Hyperglucagonemia. Endocrinology, 163(11).

Cole LK, et al. (2021) Tafazzin Deficiency Reduces Basal Insulin Secretion and Mitochondrial Function in Pancreatic Islets From Male Mice. Endocrinology, 162(7).

Bernard H, et al. (2020) Cxsackievirus B Type 4 Infection in β Cells Downregulates the Chaperone Prefoldin β 1 to Induce a MODY4-like Diabetes via Pdx1 Silencing. Cell reports. Medicine, 1(7), 100125.

Thielen LA, et al. (2020) Identification of an Anti-diabetic, Orally Available Small Molecule that Regulates TXNIP Expression and Glucagon Action. Cell metabolism, 32(3), 353.

Mohamed E, et al. (2020) The Unfolded Protein Response Mediator PERK Governs Myeloid Cell-Driven Immunosuppression in Tumors through Inhibition of STING Signaling. Immunity, 52(4), 668.

Fan L, et al. (2020) MiR-221/222 Inhibit Insulin Production of Pancreatic β -Cells in Mice. Endocrinology, 161(1).

Lalwani A, et al. (2019) β Cell Hypoxia-Inducible Factor-1 α Is Required for the Prevention of Type 1 Diabetes. Cell reports, 27(8), 2370.

Murakami S, et al. (2019) A Yap-Myc-Sox2-p53 Regulatory Network Dictates Metabolic Homeostasis and Differentiation in Kras-Driven Pancreatic Ductal Adenocarcinomas. Developmental cell, 51(1), 113.

Yang JK, et al. (2018) From Hyper- to Hypoinsulinemia and Diabetes: Effect of KCNH6 on Insulin Secretion. Cell reports, 25(13), 3800.

Ruan JS, et al. (2018) Chronic palmitic acid-induced lipotoxicity correlates with defective trafficking of ATP sensitive potassium channels in pancreatic β cells. The Journal of nutritional biochemistry, 59, 37.

Su Y, et al. (2016) Maternal Low Protein Isocaloric Diet Suppresses Pancreatic β -Cell Proliferation in Mouse Offspring via miR-15b. *Endocrinology*, 157(12), 4782.