

Resource Summary Report

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

Anti-Insulin Antibody, Unconjugated

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

Clonality: unknown

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: Anti-Insulin Antibody, Unconjugated

Description: This unknown targets Insulin

Target Organism: rat, mouse, human

Antibody ID: AB_659820

Vendor: Cell Signaling Technology

Catalog Number: 4590

Record Creation Time: 20250819T223546+0000

Record Last Update: 20250820T024135+0000

Ratings and Alerts

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

No alerts have been found for Anti-Insulin Antibody, Unconjugated.

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) Coxsackievirus B Type 4 Infection in β Cells Downregulates the Chaperone Prefoldin URI 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.