

Resource Summary Report

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Polyclonal Guinea Pig Anti- Insulin

RRID:AB_2617169

Type: Antibody

Proper Citation

Agilent Cat# A056401-2, RRID:AB_2617169

Antibody Information

URL: http://antibodyregistry.org/AB_2617169

Proper Citation: Agilent Cat# A056401-2, RRID:AB_2617169

Target Antigen: Insulin

Host Organism: guinea pig

Clonality: polyclonal

Comments: Original Manufacturer: Dako. Now part of Agilent.

Antibody Name: Polyclonal Guinea Pig Anti- Insulin

Description: This polyclonal targets Insulin

Antibody ID: AB_2617169

Vendor: Agilent

Catalog Number: A056401-2

Record Creation Time: 20250819T232928+0000

Record Last Update: 20250820T052952+0000

Ratings and Alerts

- Used for flow cytometry assay by the Human Islet Research Network community. Contact(s): [Benjamin Glaser](#), [Klaus Kaestner](#) - Human Islets Research Network <https://hirnetwork.org/>

No alerts have been found for Polyclonal Guinea Pig Anti- Insulin.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 39 mentions in open access literature.

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

Tong JCL, et al. (2025) Localized GLP1 receptor pre-internalization directs pancreatic alpha cell to beta cell communication. *Cell metabolism*, 37(8), 1698.

Karunakaran U, et al. (2024) Mitochondrial aldehyde dehydrogenase-2 coordinates the hydrogen sulfide - AMPK axis to attenuate high glucose-induced pancreatic β -cell dysfunction by glutathione antioxidant system. *Redox biology*, 69, 102994.

Fenske RJ, et al. (2024) G β -independent and -dependent Improvements With EPA Supplementation on the Early Type 1 Diabetes Phenotype of NOD Mice. *Journal of the Endocrine Society*, 8(7), bvae100.

Mitchell JS, et al. (2024) CD4⁺ T cells reactive to a hybrid peptide from insulin-chromogranin A adopt a distinct effector fate and are pathogenic in autoimmune diabetes. *Immunity*, 57(10), 2399.

Kato Y, et al. (2024) Inhibition of dynamin-related protein 1-filamin interaction improves systemic glucose metabolism. *British journal of pharmacology*, 181(21), 4328.

Vecchio F, et al. (2024) Coxsackievirus infection induces direct pancreatic β cell killing but poor antiviral CD8⁺ T cell responses. *Science advances*, 10(10), eadl1122.

Gupta D, et al. (2024) Impact of Ghrelin on Islet Size in Nonpregnant and Pregnant Female Mice. *Endocrinology*, 165(6).

Sakata N, et al. (2023) Optimal temperature for the long-term culture of adult porcine islets for xenotransplantation. *Frontiers in immunology*, 14, 1280668.

Vecchio F, et al. (2023) Coxsackievirus infection induces direct pancreatic β -cell killing but poor anti-viral CD8⁺ T-cell responses. *bioRxiv : the preprint server for biology*.

Kobiita A, et al. (2023) FoxM1 coordinates cell division, protein synthesis, and mitochondrial activity in a subset of β cells during acute metabolic stress. *Cell reports*, 42(8), 112986.

Zhang Z, et al. (2023) Immunotherapy targeting B cells and long-lived plasma cells effectively eliminates pre-existing donor-specific allo-antibodies. *Cell reports. Medicine*, 4(12), 101336.

McKimpson WM, et al. (2022) Inducing and measuring apoptotic cell death in mouse pancreatic β -cells and in isolated islets. *STAR protocols*, 3(2), 101287.

Kent NL, et al. (2022) Maternal Hypothyroidism in Rats Reduces Placental Lactogen, Lowers Insulin Levels, and Causes Glucose Intolerance. *Endocrinology*, 163(2).

Sdao SM, et al. (2021) CDK2 limits the highly energetic secretory program of mature β cells by restricting PEP cycle-dependent KATP channel closure. *Cell reports*, 34(4), 108690.

McKimpson WM, et al. (2021) Conversion of the death inhibitor ARC to a killer activates pancreatic β cell death in diabetes. *Developmental cell*, 56(6), 747.

Lupse B, et al. (2021) Inhibition of PHLPP1/2 phosphatases rescues pancreatic β -cells in diabetes. *Cell reports*, 36(5), 109490.

Wong HY, et al. (2021) The role of mitochondrial apoptotic pathway in islet amyloid-induced β -cell death. *Molecular and cellular endocrinology*, 537, 111424.

Cavino K, et al. (2021) Glucagon Receptor Inhibition Reduces Hyperammonemia and Lethality in Male Mice with Urea Cycle Disorder. *Endocrinology*, 162(1).

Cinti F, et al. (2021) Noradrenergic fibers are associated with beta-cell dedifferentiation and impaired beta-cell function in humans. *Metabolism: clinical and experimental*, 114, 154414.

Geravandi S, et al. (2021) Localization of enteroviral RNA within the pancreas in donors with T1D and T1D-associated autoantibodies. *Cell reports. Medicine*, 2(8), 100371.