

Resource Summary Report

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ATP-Citrate Lyase Antibody

RRID:AB_2223744

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 4332, RRID:AB_2223744

Antibody Information

URL: http://antibodyregistry.org/AB_2223744

Proper Citation: Cell Signaling Technology Cat# 4332, RRID:AB_2223744

Target Antigen: Acly

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: W. Consolidation on 10/2018: AB_10695144, AB_2223744. Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE

Antibody Name: ATP-Citrate Lyase Antibody

Description: This polyclonal targets Acly

Target Organism: rat, mouse, human

Antibody ID: AB_2223744

Vendor: Cell Signaling Technology

Catalog Number: 4332

Record Creation Time: 20231110T045654+0000

Record Last Update: 20260829T214204+0000

Ratings and Alerts

- Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE - NYU Langone's Center for Biospecimen Research and Development <https://med.nyu.edu/research/scientific-cores-shared-resources/center-biospecimen-research-development>

No alerts have been found for ATP-Citrate Lyase Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 33 mentions in open access literature.

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

Liu Y, et al. (2026) MALAT1 regulates human macrophage metabolism by interacting with HADHB. iScience, 29(3), 115107.

Banerjee M, et al. (2026) FASN Inhibition Enhances the Efficacy of Chemotherapy in Colorectal Cancer by Inhibiting the DNA Damage Response. Cancer research, 86(10), 2522.

Li G, et al. (2026) Non-enzymatic ABHD6 interacts with Akt-FoxO1 axis to regulate selective hepatic insulin resistance. bioRxiv : the preprint server for biology.

Andres-Hernando A, et al. (2025) Identification of a common ketohexokinase-dependent link driving alcohol intake and alcohol-associated liver disease in mice. Nature metabolism, 7(11), 2250.

Cáliz-Molina MÁ, et al. (2025) Enhanced non-enzymatic H₂S generation extends lifespan and healthspan in male mice. Cell metabolism.

Wagner L, et al. (2025) The Impact of Neuregulin 4 on Metabolic Dysregulation in Lipodystrophy. Endocrinology, 166(9).

de Souza RA, et al. (2025) The exit of naive pluripotency contains a metabolism-induced checkpoint for telomere homeostasis. Cell reports, 44(12), 116654.

An J, et al. (2025) Integration of metabolomic and transcriptomic analyses reveals regulatory functions of the ChREBP transcription factor in energy metabolism. Cell reports, 44(2), 115278.

Daum AK, et al. (2025) Cancer-associated fibroblasts promote drug resistance in ALK-driven lung adenocarcinoma cells by upregulating lipid biosynthesis. Cancer & metabolism, 13(1), 28.

Fadhul T, et al. (2024) The propensity of fructose to induce metabolic dysfunction is dependent on the baseline diet, length of the dietary exposure, and sex of the mice. *bioRxiv* : the preprint server for biology.

Liu S, et al. (2024) ATP-dependent citrate lyase Drives Left Ventricular Dysfunction by Metabolic Remodeling of the Heart. *bioRxiv* : the preprint server for biology.

Gu L, et al. (2023) Fructose-1,6-bisphosphatase is a nonenzymatic safety valve that curtails AKT activation to prevent insulin hyperresponsiveness. *Cell metabolism*, 35(6), 1009.

Cho S, et al. (2023) FAM120A couples SREBP-dependent transcription and splicing of lipogenesis enzymes downstream of mTORC1. *Molecular cell*, 83(16), 3010.

Moon SH, et al. (2023) Genetic deletion of skeletal muscle iPLA2 γ results in mitochondrial dysfunction, muscle atrophy and alterations in whole-body energy metabolism. *iScience*, 26(6), 106895.

Yiew NKH, et al. (2023) Effects of hepatic mitochondrial pyruvate carrier deficiency on de novo lipogenesis and gluconeogenesis in mice. *iScience*, 26(11), 108196.

Morrow MR, et al. (2022) Inhibition of ATP-citrate lyase improves NASH, liver fibrosis, and dyslipidemia. *Cell metabolism*, 34(6), 919.

Pillai S, et al. (2022) Lipogenesis mediated by OGR1 regulates metabolic adaptation to acid stress in cancer cells via autophagy. *Cell reports*, 39(6), 110796.

Tan W, et al. (2021) Posttranscriptional regulation of de novo lipogenesis by glucose-induced O-GlcNAcylation. *Molecular cell*, 81(9), 1890.

Xu F, et al. (2021) Lysophosphatidic acid shifts metabolic and transcriptional landscapes to induce a distinct cellular state in human pluripotent stem cells. *Cell reports*, 37(9), 110063.

Jung SM, et al. (2021) In vivo isotope tracing reveals the versatility of glucose as a brown adipose tissue substrate. *Cell reports*, 36(4), 109459.