

Resource Summary Report

Generated by RRID on Aug 3, 2026

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: ATP-Citrate Lyase

Clonality: unknown

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 unknown targets ATP-Citrate Lyase

Target Organism: rat, mouse, human

Antibody ID: AB_2223744

Vendor: Cell Signaling Technology

Catalog Number: 4332

Record Creation Time: 20250820T041843+0000

Record Last Update: 20250820T183735+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 30 mentions in open access literature.

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

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.

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

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.

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.

Thomas SP, et al. (2021) Short-chain fatty acids activate acetyltransferase p300. *eLife*, 10.

Bai X, et al. (2021) Diurnal regulation of oxidative phosphorylation restricts hepatocyte proliferation and inflammation. *Cell reports*, 36(10), 109659.

Hsiao WY, et al. (2020) The Lipid Handling Capacity of Subcutaneous Fat Is Programmed by mTORC2 during Development. *Cell reports*, 33(1), 108223.