

Resource Summary Report

Generated by [RRID](#) on Jul 30, 2026

Acetyl-CoA Carboxylase (C83B10) Rabbit mAb

RRID:AB_2219397

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 3676, RRID:AB_2219397

Antibody Information

URL: http://antibodyregistry.org/AB_2219397

Proper Citation: Cell Signaling Technology Cat# 3676, RRID:AB_2219397

Target Antigen: Acetyl-CoA Carboxylase

Host Organism: rabbit

Clonality: recombinant monoclonal

Comments: Applications: W, IP, IHC-P, IF-IC, F. Consolidation on 11/2018: AB_10694239, AB_10829354, AB_2219397.

Antibody Name: Acetyl-CoA Carboxylase (C83B10) Rabbit mAb

Description: This recombinant monoclonal targets Acetyl-CoA Carboxylase

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

Clone ID: C83B10

Antibody ID: AB_2219397

Vendor: Cell Signaling Technology

Catalog Number: 3676

Record Creation Time: 20250820T001756+0000

Record Last Update: 20250820T075411+0000

Ratings and Alerts

No rating or validation information has been found for Acetyl-CoA Carboxylase (C83B10) Rabbit mAb.

No alerts have been found for Acetyl-CoA Carboxylase (C83B10) Rabbit mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 113 mentions in open access literature.

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

Mao Y, et al. (2026) AMPK γ 2 signals amino acid insufficiency to inhibit protein synthesis. Cell metabolism, 38(1), 192.

Dreute J, et al. (2025) Synergistic targeting of cancer cells through simultaneous inhibition of key metabolic enzymes. Cell death and differentiation.

Usui M, et al. (2025) Genetic deletion or pharmacological inhibition of acetyl-CoA carboxylase 2 enhances fatty acid oxidation and improves cardiac function and survival in the murine ATGL knockout model of severe heart failure. Journal of molecular and cellular cardiology plus, 13, 100459.

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.

Zhou Y, et al. (2025) The nuclear pore complex connects energy sensing to transcriptional plasticity in longevity. bioRxiv : the preprint server for biology.

Huang J, et al. (2025) High matrix stiffness triggers testosterone decline in aging males by disrupting stem Leydig cell pool homeostasis. Cell reports, 44(9), 116207.

Hawsawi O, et al. (2025) Mitochondrial uncouplers inhibit oncogenic E2F1 activity and prostate cancer growth. Cell reports. Medicine, 6(1), 101890.

Su Y, et al. (2025) CD47-blocking antibody confers metabolic benefits against obesity. Cell reports. Medicine, 6(5), 102089.

Smith JJ, et al. (2025) A genetically encoded fluorescent biosensor for visualization of acetyl-CoA in live cells. Cell chemical biology, 32(2), 325.

Rubio-Atonal LF, et al. (2025) Glutamate decreases oxidative stress and lipid droplet formation in astrocytes. Journal of cell science, 138(19).

Park JH, et al. (2025) Biguanides antithetically regulate tumor properties by the dose-dependent mitochondrial reprogramming-driven c-Src pathway. Cell reports. Medicine,

6(2), 101941.

Rossi M, et al. (2025) Dietary nitrate supplementation mitigates age-related changes at the neuromuscular junction in mice. *The Journal of physiology*.

Ogawa A, et al. (2025) Adenosine kinase and ADAL coordinate detoxification of modified adenosines to safeguard metabolism. *Cell*.

He B, et al. (2025) Spatial regulation of glucose and lipid metabolism by hepatic insulin signaling. *Cell metabolism*, 37(7), 1568.

Kjærgaard J, et al. (2025) Insulin- and exercise-induced phosphoproteomics of human skeletal muscle identify REPS1 as a regulator of muscle glucose uptake. *Cell reports. Medicine*, 6(6), 102163.

Zhou Y, et al. (2025) The nuclear pore complex connects energy sensing to transcriptional plasticity in longevity. *Molecular cell*, 85(19), 3605.

Benzarti M, et al. (2024) PKM2 diverts glycolytic flux in dependence on mitochondrial one-carbon cycle. *Cell reports*, 43(3), 113868.

Park B, et al. (2024) Crosstalk between butyrate oxidation in colonocyte and butyrate-producing bacteria. *iScience*, 27(9), 110853.

Hunt EG, et al. (2024) Acetyl-CoA carboxylase obstructs CD8⁺ T cell lipid utilization in the tumor microenvironment. *Cell metabolism*.

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*.