

Resource Summary Report

Generated by [dkNET](#) on Aug 4, 2026

AceCS1 (D19C6) XP(tm) Rabbit mAb

RRID:AB_2222710

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 3658, RRID:AB_2222710

Antibody Information

URL: http://antibodyregistry.org/AB_2222710

Proper Citation: Cell Signaling Technology Cat# 3658, RRID:AB_2222710

Target Antigen: Acss2

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IP

Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE

Antibody Name: AceCS1 (D19C6) XP(tm) Rabbit mAb

Description: This monoclonal targets Acss2

Target Organism: rat, mouse, human

Antibody ID: AB_2222710

Vendor: Cell Signaling Technology

Catalog Number: 3658

Record Creation Time: 20250820T030445+0000

Record Last Update: 20250820T151726+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:TRUE, 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 AceCS1 (D19C6) XP(tm) Rabbit mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 25 mentions in open access literature.

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

Nguyen PTT, et al. (2025) Acetyl-CoA synthesis in the skin is a key determinant of systemic lipid homeostasis. Cell reports, 44(2), 115284.

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

Mogol AN, et al. (2025) ACSS2-Mediated Metabolic-Epigenetic Crosstalk Drives Fulvestrant Resistance and Represents a Novel Therapeutic Target. bioRxiv : the preprint server for biology.

Budagyan K, et al. (2025) KRAS G12V mutation-selective requirement for ACSS2 in colorectal adenoma formation. Cell reports, 44(4), 115444.

Hu W, et al. (2025) High fructose promotes MYCN-amplified neuroblastoma progression through NgBR-ACSS2-mediated biosynthesis of acetyl-CoA. Cell reports, 44(7), 115947.

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.

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.

Lu Y, et al. (2024) ALDH1A3-acetaldehyde metabolism potentiates transcriptional heterogeneity in melanoma. Cell reports, 43(7), 114406.

Wang H, et al. (2024) Nucleo-cytosolic acetyl-CoA drives tumor immune evasion by regulating PD-L1 in melanoma. Cell reports, 43(12), 115015.

Qin L, et al. (2024) Chronic hypoxia stabilizes 3 β HSD1 via autophagy suppression. *Cell reports*, 43(1), 113575.

Balboni N, et al. (2024) Transcriptional and metabolic effects of aspartate-glutamate carrier isoform 1 (AGC1) downregulation in mouse oligodendrocyte precursor cells (OPCs). *Cellular & molecular biology letters*, 29(1), 44.

Hlavaty SI, et al. (2024) ACSS1-dependent acetate utilization rewires mitochondrial metabolism to support AML and melanoma tumor growth and metastasis. *Cell reports*, 43(12), 114988.

Zhu X, et al. (2023) Acetate controls endothelial-to-mesenchymal transition. *Cell metabolism*, 35(7), 1163.

Tran GB, et al. (2023) Caffeine supplementation and FOXM1 inhibition enhance the antitumor effect of statins in neuroblastoma. *Cancer research*.

Sato S, et al. (2023) The circadian clock CRY1 regulates pluripotent stem cell identity and somatic cell reprogramming. *Cell reports*, 42(6), 112590.

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.

Afzal J, et al. (2022) Cardiac ultrastructure inspired matrix induces advanced metabolic and functional maturation of differentiated human cardiomyocytes. *Cell reports*, 40(4), 111146.

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

Park S, et al. (2022) Transcription factors TEAD2 and E2A globally repress acetyl-CoA synthesis to promote tumorigenesis. *Molecular cell*, 82(22), 4246.

Fang Y, et al. (2021) Histone crotonylation promotes mesoendodermal commitment of human embryonic stem cells. *Cell stem cell*, 28(4), 748.