Resource Summary Report

Generated by kravitz2 on Jul 30, 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 kravitz2 .

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?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.