Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 15, 2025

SirT1 (1F3)

RRID:AB_10999470 Type: Antibody

Proper Citation

(Cell Signaling Technology Cat# 8469, RRID:AB_10999470)

Antibody Information

URL: http://antibodyregistry.org/AB_10999470

Proper Citation: (Cell Signaling Technology Cat# 8469, RRID:AB_10999470)

Target Antigen: SirT1

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: W, IP, IF-IC

Antibody Name: SirT1 (1F3)

Description: This monoclonal targets SirT1

Target Organism: monkey, rat, mouse, human

Clone ID: 1F3

Antibody ID: AB_10999470

Vendor: Cell Signaling Technology

Catalog Number: 8469

Record Creation Time: 20231110T062433+0000

Record Last Update: 20241115T063947+0000

Ratings and Alerts

No rating or validation information has been found for SirT1 (1F3).

No alerts have been found for SirT1 (1F3).

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 16 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Wang M, et al. (2025) Gut microbiota protect against colorectal tumorigenesis through IncRNA Snhg9. Developmental cell.

Lian B, et al. (2024) SIRT1 improves lactate homeostasis in the brain to alleviate parkinsonism via deacetylation and inhibition of PKM2. Cell reports. Medicine, 5(8), 101684.

Hain BA, et al. (2024) Preventing loss of sirt1 lowers mitochondrial oxidative stress and preserves C2C12 myotube diameter in an in vitro model of cancer cachexia. Physiological reports, 12(13), e16103.

Liu Y, et al. (2023) An Fgr kinase inhibitor attenuates sepsis-associated encephalopathy by ameliorating mitochondrial dysfunction, oxidative stress, and neuroinflammation via the SIRT1/PGC-1? signaling pathway. Journal of translational medicine, 21(1), 486.

Rogacka D, et al. (2023) Inhibition of phosphodiesterase 5A by tadalafil improves SIRT1 expression and activity in insulin-resistant podocytes. Cellular signalling, 105, 110622.

Hogan TB, et al. (2022) Caveolin-1 peptide regulates p53-microRNA-34a feedback in fibrotic lung fibroblasts. iScience, 25(4), 104022.

Chen X, et al. (2022) FGF21 promotes migration and differentiation of epidermal cells during wound healing via SIRT1-dependent autophagy. British journal of pharmacology, 179(5), 1102.

Hernández-López R, et al. (2022) Mitochondrial Function Differences between Tumor Tissue of Human Metastatic and Premetastatic CRC. Biology, 11(2).

Tang Y, et al. (2021) Nicotinamide ameliorates energy deficiency and improves retinal function in Cav-1-/- mice. Journal of neurochemistry, 157(3), 550.

Affortit C, et al. (2021) Exacerbated age-related hearing loss in mice lacking the p43 mitochondrial T3 receptor. BMC biology, 19(1), 18.

Shimizu K, et al. (2021) Interplay between protein acetylation and ubiquitination controls MCL1 protein stability. Cell reports, 37(6), 109988.

Zhu L, et al. (2020) Protective effect of hydrogen sulfide on endothelial cells through Sirt1-FoxO1-mediated autophagy. Annals of translational medicine, 8(23), 1586.

Meng F, et al. (2020) Synergy between SIRT1 and SIRT6 helps recognize DNA breaks and potentiates the DNA damage response and repair in humans and mice. eLife, 9.

Li J, et al. (2019) Sirtuin 1 represses PKC-? activity through regulating interplay of acetylation and phosphorylation in cardiac hypertrophy. British journal of pharmacology, 176(3), 416.

Wüst S, et al. (2018) Metabolic Maturation during Muscle Stem Cell Differentiation Is Achieved by miR-1/133a-Mediated Inhibition of the Dlk1-Dio3 Mega Gene Cluster. Cell metabolism, 27(5), 1026.

Liu J, et al. (2016) CLOCK and BMAL1 Regulate Muscle Insulin Sensitivity via SIRT1 in Male Mice. Endocrinology, 157(6), 2259.