

Resource Summary Report

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SUMO-2/3 (18H8) Rabbit mAb

RRID:AB_2198425

Type: Antibody

Proper Citation

(Cell Signaling Technology Cat# 4971, RRID:AB_2198425)

Antibody Information

URL: http://antibodyregistry.org/AB_2198425

Proper Citation: (Cell Signaling Technology Cat# 4971, RRID:AB_2198425)

Target Antigen: SUMO-2/3

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IF-IC. Consolidation: AB_10839123.

Antibody Name: SUMO-2/3 (18H8) Rabbit mAb

Description: This monoclonal targets SUMO-2/3

Target Organism: rat, mouse, human

Clone ID: 18H8

Antibody ID: AB_2198425

Vendor: Cell Signaling Technology

Catalog Number: 4971

Alternative Catalog Numbers: 4971T, 4971S, 4971P

Record Creation Time: 20231110T043212+0000

Record Last Update: 20241115T074528+0000

Ratings and Alerts

No rating or validation information has been found for SUMO-2/3 (18H8) Rabbit mAb.

No alerts have been found for SUMO-2/3 (18H8) Rabbit mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 18 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Rex EA, et al. (2024) FEAR antiviral response pathway is independent of interferons and countered by poxvirus proteins. *Nature microbiology*, 9(4), 988.

Zanella CA, et al. (2023) Guanosine increases global SUMO1-ylation in the hippocampus of young and aged mice and improves the short-term memory of young mice. *Journal of neurochemistry*.

Zhang Q, et al. (2023) hnRNPA1 SUMOylation promotes cold hypersensitivity in chronic inflammatory pain by stabilizing TRPA1 mRNA. *Cell reports*, 42(11), 113401.

Liu Y, et al. (2023) Mitochondrial SENP2 regulates the assembly of SDH complex under metabolic stress. *Cell reports*, 42(2), 112041.

Yang M, et al. (2023) STING activation in platelets aggravates septic thrombosis by enhancing platelet activation and granule secretion. *Immunity*, 56(5), 1013.

Alghoul E, et al. (2023) Compartmentalization of the SUMO/RNF4 pathway by SLX4 drives DNA repair. *Molecular cell*, 83(10), 1640.

Okuda K, et al. (2022) *Leishmania amazonensis* sabotages host cell SUMOylation for intracellular survival. *iScience*, 25(9), 104909.

Moriuchi T, et al. (2021) SUMOylation of RepoMan during late telophase regulates dephosphorylation of lamin A. *Journal of cell science*, 134(17).

Ruggiano A, et al. (2021) The protease SPRTN and SUMOylation coordinate DNA-protein crosslink repair to prevent genome instability. *Cell reports*, 37(10), 110080.

Hu Z, et al. (2021) SENP3 senses oxidative stress to facilitate STING-dependent dendritic cell antitumor function. *Molecular cell*, 81(5), 940.

Tailor D, et al. (2021) Y box binding protein 1 inhibition as a targeted therapy for ovarian cancer. *Cell chemical biology*, 28(8), 1206.

Li Y, et al. (2021) PAK5 promotes RNA helicase DDX5 sumoylation and miRNA-10b processing in a kinase-dependent manner in breast cancer. *Cell reports*, 37(12), 110127.

Marmor-Kollet H, et al. (2020) Spatiotemporal Proteomic Analysis of Stress Granule Disassembly Using APEX Reveals Regulation by SUMOylation and Links to ALS Pathogenesis. *Molecular cell*, 80(5), 876.

Ma J, et al. (2019) Inhibition of Nuclear PTEN Tyrosine Phosphorylation Enhances Glioma Radiation Sensitivity through Attenuated DNA Repair. *Cancer cell*, 35(3), 504.

Ma J, et al. (2019) Inhibition of Nuclear PTEN Tyrosine Phosphorylation Enhances Glioma Radiation Sensitivity through Attenuated DNA Repair. *Cancer cell*, 35(5), 816.

Zhang Z, et al. (2019) OTUB2 Promotes Cancer Metastasis via Hippo-Independent Activation of YAP and TAZ. *Molecular cell*, 73(1), 7.

Yang F, et al. (2017) Glucocorticoid Receptor:MegaTrans Switching Mediates the Repression of an ER α -Regulated Transcriptional Program. *Molecular cell*, 66(3), 321.

Pawellek A, et al. (2017) Characterisation of the biflavonoid hinokiflavone as a pre-mRNA splicing modulator that inhibits SENP. *eLife*, 6.