Resource Summary Report

Generated by kravitz2 on Jul 28, 2026

SMC1 Antibody

RRID:AB_2192467
Type: Antibody

Proper Citation

Thermo Fisher Scientific Cat# A300-055A, RRID:AB_2192467

Antibody Information

URL: http://antibodyregistry.org/AB_2192467

Proper Citation: Thermo Fisher Scientific Cat# A300-055A, RRID:AB_2192467

Target Antigen: SMC1

Host Organism: rabbit

Clonality: polyclonal

Comments: Discontinued; Applications: WB (1:2,000-1:10,000), IP (2-10 µg/mg lysate), IHC (1:2,000-1:10,000)

Antibody Name: SMC1 Antibody

Description: This polyclonal targets SMC1

Target Organism: mouse, human

Antibody ID: AB_2192467

Vendor: Thermo Fisher Scientific

Catalog Number: A300-055A

Record Creation Time: 20250820T003003+0000

Record Last Update: 20250820T082606+0000

Ratings and Alerts

- Used for western blot assay by the Human Islet Research Network community. Contact(s): Golnaz Vahedi - Human Islets Research Network https://hirnetwork.org/

Warning: Discontinued at Thermo Fisher Scientific
Discontinued; Applications: WB (1:2,000-1:10,000), IP (2-10 µg/mg lysate), IHC (1:2,000-1:10,000)

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 41 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Jiang S, et al. (2025) JMJD2 regulates enhancer-promoter interactions via biomolecular condensate formation. Nature genetics.

Krishnamoorthy V, et al. (2024) The SPATA5-SPATA5L1 ATPase complex directs replisome proteostasis to ensure genome integrity. Cell, 187(9), 2250.

Tortora D, et al. (2023) A genome-wide CRISPR screen maps endogenous regulators of PPARG gene expression in bladder cancer. iScience, 26(5), 106525.

Hu Y, et al. (2023) Lineage-specific 3D genome organization is assembled at multiple scales by IKAROS. Cell, 186(24), 5269.

Manjón AG, et al. (2023) Perturbations in 3D genome organization can promote acquired drug resistance. Cell reports, 42(10), 113124.

Tian K, et al. (2023) Subcellular localization shapes the fate of RNA polymerase III. Cell reports, 42(8), 112941.

Nishimura A, et al. (2023) Myeloid/natural killer (NK) cell precursor acute leukemia as a distinct leukemia type. Science advances, 9(50), eadj4407.

Collier AE, et al. (2023) GRHL2 and AP2a coordinate early surface ectoderm lineage commitment during development. iScience, 26(3), 106125.

Cheng N, et al. (2022) STAG2 promotes the myelination transcriptional program in oligodendrocytes. eLife, 11.

Wang W, et al. (2022) TCF-1 promotes chromatin interactions across topologically associating domains in T cell progenitors. Nature immunology, 23(7), 1052.

Mukherjee S, et al. (2022) SOX transcription factors direct TCF-independent WNT/?-catenin responsive transcription to govern cell fate in human pluripotent stem cells. Cell reports, 40(8), 111247.

Zhou Y, et al. (2022) EBF1 nuclear repositioning instructs chromatin refolding to promote therapy resistance in T leukemic cells. Molecular cell, 82(5), 1003.

Barral A, et al. (2022) SETDB1/NSD-dependent H3K9me3/H3K36me3 dual heterochromatin maintains gene expression profiles by bookmarking poised enhancers. Molecular cell, 82(4), 816.

Groelly FJ, et al. (2022) Mitotic DNA synthesis is caused by transcription-replication conflicts in BRCA2-deficient cells. Molecular cell, 82(18), 3382.

Mohr L, et al. (2021) ER-directed TREX1 limits cGAS activation at micronuclei. Molecular cell, 81(4), 724.

Toufektchan E, et al. (2021) Purification of micronuclei from cultured cells by flow cytometry. STAR protocols, 2(1), 100378.

Sakata R, et al. (2021) Opening of cohesin's SMC ring is essential for timely DNA replication and DNA loop formation. Cell reports, 35(4), 108999.

Adane B, et al. (2021) STAG2 loss rewires oncogenic and developmental programs to promote metastasis in Ewing sarcoma. Cancer cell, 39(6), 827.

Surdez D, et al. (2021) STAG2 mutations alter CTCF-anchored loop extrusion, reduce cis-regulatory interactions and EWSR1-FLI1 activity in Ewing sarcoma. Cancer cell, 39(6), 810.

Wang J, et al. (2021) Phase separation of OCT4 controls TAD reorganization to promote cell fate transitions. Cell stem cell, 28(10), 1868.