

Resource Summary Report

Generated by [NIF](#) on Sep 22, 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: 20231110T033109+0000

Record Last Update: 20260829T181515+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 42 mentions in open access literature.

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

Wutz G, et al. (2026) PDS5 proteins control genome architecture by limiting the lifetime of cohesin-NIPBL complexes. *Molecular cell*, 86(9), 1614.

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.

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.

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.

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.

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.

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.

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.

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

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.

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.