

Resource Summary Report

Generated by [NIF](#) on Sep 14, 2026

Rabbit anti-SMC1 Antibody, Affinity Purified

RRID:AB_2192467

Type: Antibody

Proper Citation

Bethyl Cat# A300-055A, RRID:AB_2192467

Antibody Information

URL: http://antibodyregistry.org/AB_2192467

Proper Citation: Bethyl Cat# A300-055A, RRID:AB_2192467

Target Antigen: SMC1

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: WB, IP, IHC
Original Manufacturer

Antibody Name: Rabbit anti-SMC1 Antibody, Affinity Purified

Description: This polyclonal targets SMC1

Target Organism: mouse, human

Antibody ID: AB_2192467

Vendor: Bethyl

Catalog Number: A300-055A

Alternative Catalog Numbers: A300-055A-M, A300-055A-T

Record Creation Time: 20231110T043516+0000

Record Last Update: 20260829T051500+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

Applications: WB, IP, IHC

Original Manufacturer

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.