

Resource Summary Report

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RPA194 (C-1)

RRID:AB_675814

Type: Antibody

Proper Citation

Santa Cruz Biotechnology Cat# sc-48385, RRID:AB_675814

Antibody Information

URL: http://antibodyregistry.org/AB_675814

Proper Citation: Santa Cruz Biotechnology Cat# sc-48385, RRID:AB_675814

Target Antigen: POLR1A

Host Organism: mouse

Clonality: monoclonal

Comments: validation status unknown check with seller; recommendations: ELISA; Immunocytochemistry; Immunofluorescence; Immunohistochemistry; Immunoprecipitation; Western Blot; Western Blotting, Immunoprecipitation, Immunofluorescence, Immunohistochemistry(P), ELISA

Antibody Name: RPA194 (C-1)

Description: This monoclonal targets POLR1A

Target Organism: rat, mouse, human

Clone ID: F-6

Antibody ID: AB_675814

Vendor: Santa Cruz Biotechnology

Catalog Number: sc-48385

Record Creation Time: 20250819T220611+0000

Record Last Update: 20250820T010637+0000

Ratings and Alerts

No rating or validation information has been found for RPA194 (C-1).

No alerts have been found for RPA194 (C-1).

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Song L, et al. (2025) Dynamic control of RNA-DNA hybrid formation orchestrates DNA2 activation at stalled forks by RNAPII and DDX39A. *Molecular cell*, 85(3), 506.

Velichko AK, et al. (2025) Treacle's ability to form liquid-like phase condensates is essential for nucleolar fibrillar center assembly, efficient rRNA transcription and processing, and rRNA gene repair. *eLife*, 13.

Ogawa A, et al. (2025) SLFN11-mediated ribosome biogenesis impairment induces TP53-independent apoptosis. *Molecular cell*, 85(5), 894.

Arnold MR, et al. (2025) Alpha-synuclein regulates nucleolar DNA double-strand break repair in melanoma. *Science advances*, 11(15), eadq2519.

Panichnantakul P, et al. (2025) Protocol for the purification and analysis of nuclear UFMylated proteins. *STAR protocols*, 6(1), 103634.

Lacroix E, et al. (2025) PI3K/AKT signaling mediates stress-inducible amyloid formation through c-Myc. *Cell reports*, 44(5), 115617.

Han X, et al. (2024) Nuclear RNA homeostasis promotes systems-level coordination of cell fate and senescence. *Cell stem cell*, 31(5), 694.

Li Z, et al. (2024) Nucleolar protein PEXF controls ribosomal RNA synthesis and pluripotency exit. *Developmental cell*.

Marchena-Cruz E, et al. (2023) DDX47, MeCP2, and other functionally heterogeneous factors protect cells from harmful R loops. *Cell reports*, 42(3), 112148.

Nechay M, et al. (2023) Inhibition of nucleolar transcription by oxaliplatin involves ATM/ATR kinase signaling. *Cell chemical biology*, 30(8), 906.

Antony C, et al. (2022) Control of ribosomal RNA synthesis by hematopoietic transcription factors. *Molecular cell*, 82(20), 3826.

Papadopoulos D, et al. (2022) MYCN recruits the nuclear exosome complex to RNA polymerase II to prevent transcription-replication conflicts. *Molecular cell*, 82(1), 159.

Zhang C, et al. (2022) Micropeptide PACMP inhibition elicits synthetic lethal effects by decreasing CtIP and poly(ADP-ribosyl)ation. *Molecular cell*, 82(7), 1297.

Berry S, et al. (2022) Feedback from nuclear RNA on transcription promotes robust RNA concentration homeostasis in human cells. *Cell systems*, 13(6), 454.

Yasuhara T, et al. (2022) Condensates induced by transcription inhibition localize active chromatin to nucleoli. *Molecular cell*, 82(15), 2738.

Sanchez-Martin V, et al. (2021) Targeting ribosomal G-quadruplexes with naphthalene-diimides as RNA polymerase I inhibitors for colorectal cancer treatment. *Cell chemical biology*, 28(11), 1590.

Morral C, et al. (2020) Zonation of Ribosomal DNA Transcription Defines a Stem Cell Hierarchy in Colorectal Cancer. *Cell stem cell*, 26(6), 845.

Yao RW, et al. (2019) Nascent Pre-rRNA Sorting via Phase Separation Drives the Assembly of Dense Fibrillar Components in the Human Nucleolus. *Molecular cell*, 76(5), 767.

Xing YH, et al. (2017) SLERT Regulates DDX21 Rings Associated with Pol I Transcription. *Cell*, 169(4), 664.