

Resource Summary Report

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RNA polymerase II CTD repeat YSPTSPS (phospho S5) antibody - ChIP Grade

RRID:AB_449369

Type: Antibody

Proper Citation

Abcam Cat# ab5131, RRID:AB_449369

Antibody Information

URL: http://antibodyregistry.org/AB_449369

Proper Citation: Abcam Cat# ab5131, RRID:AB_449369

Target Antigen: RNA polymerase II CTD repeat YSPTSPS (phospho S5) antibody - ChIP Grade

Host Organism: rabbit

Clonality: polyclonal

Comments: validation status unknown, seller recommendations provided in 2012: ChIP; Immunohistochemistry - frozen; Immunocytochemistry; Immunohistochemistry - fixed; Immunohistochemistry; Immunoprecipitation; Immunofluorescence; Other; Western Blot; ChIP, CHIPseq, ICC/IF, IHC-Fr, IHC-P, WB

Antibody Name: RNA polymerase II CTD repeat YSPTSPS (phospho S5) antibody - ChIP Grade

Description: This polyclonal targets RNA polymerase II CTD repeat YSPTSPS (phospho S5) antibody - ChIP Grade

Target Organism: rat, drosophilaarthropod, yeastfungi, mouse, zebrafishfish, zebrafish, human

Antibody ID: AB_449369

Vendor: Abcam

Catalog Number: ab5131

Record Creation Time: 20250819T223604+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: GR37362-1 is available under ENCODE ID: ENCAB707QIL - ENCODE <https://www.encodeproject.org/antibodies/ENCAB707QIL>

No alerts have been found for RNA polymerase II CTD repeat YSPTSPS (phospho S5) antibody - ChIP Grade.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 46 mentions in open access literature.

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

Tobias IC, et al. (2025) A Sox2 enhancer cluster regulates region-specific neural fates from mouse embryonic stem cells. G3 (Bethesda, Md.), 15(4).

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

Ummethum H, et al. (2025) The CGG triplet repeat binding protein 1 counteracts R-loop induced transcription-replication stress. EMBO reports, 26(19), 4691.

Cheng T, et al. (2025) Transcription-replication conflict resolution by nuclear RNA interference. Molecular cell, 85(21), 3930.

Guo J, et al. (2025) KMT2C deficiency drives transdifferentiation of double-negative prostate cancer and confer resistance to AR-targeted therapy. Cancer cell, 43(7), 1261.

Ma HY, et al. (2025) Targeting CDK7/12/13 functional synergism reverses myofibroblast activation and ameliorates lung fibrosis. iScience, 28(7), 112778.

Kirthika P, et al. (2025) Off-pore Nucleoporin sPOM121 Transcriptionally Propels ?-Catenin-driven Tumor Progression and Immune Escape in Prostate Cancer. Cancer discovery, 15(11), 2374.

Bianco E, et al. (2025) Stm1 regulates Ifh1 activity revealing crosstalk between ribosome biogenesis and ribosome dormancy. Molecular cell, 85(9), 1806.

Baran M, et al. (2023) PYHIN protein IFI207 regulates cytokine transcription and IRF7 and contributes to the establishment of K. pneumoniae infection. Cell reports, 42(4), 112341.

Zhao Y, et al. (2023) Histone phosphorylation integrates the hepatic glucagon-PKA-CREB gluconeogenesis program in response to fasting. *Molecular cell*, 83(7), 1093.

Pappas G, et al. (2023) MDC1 maintains active elongation complexes of RNA polymerase II. *Cell reports*, 42(1), 111979.

Qu J, et al. (2023) Chromatin profiling identifies transcriptional readthrough as a conserved mechanism for piRNA biogenesis in mosquitoes. *Cell reports*, 42(3), 112257.

Wilson GA, et al. (2023) Active growth signaling promotes senescence and cancer cell sensitivity to CDK7 inhibition. *Molecular cell*, 83(22), 4078.

Gui T, et al. (2023) Targeted perturbation of signaling-driven condensates. *Molecular cell*, 83(22), 4141.

Stein CB, et al. (2022) Integrator endonuclease drives promoter-proximal termination at all RNA polymerase II-transcribed loci. *Molecular cell*, 82(22), 4232.

Maharana S, et al. (2022) SAMHD1 controls innate immunity by regulating condensation of immunogenic self RNA. *Molecular cell*, 82(19), 3712.

Hunt G, et al. (2022) p300/CBP sustains Polycomb silencing by non-enzymatic functions. *Molecular cell*, 82(19), 3580.

Mukherjee K, et al. (2022) EKLF/Klf1 regulates erythroid transcription by its pioneering activity and selective control of RNA Pol II pause-release. *Cell reports*, 41(12), 111830.

Abe K, et al. (2022) Distinct patterns of RNA polymerase II and transcriptional elongation characterize mammalian genome activation. *Cell reports*, 41(13), 111865.

Garipler G, et al. (2022) The BTB transcription factors ZBTB11 and ZFP131 maintain pluripotency by repressing pro-differentiation genes. *Cell reports*, 38(11), 110524.