

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: 20241016T222117+0000

Record Last Update: 20241016T224339+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 41 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

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.

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.

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

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.

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

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

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

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.

Olsen SN, et al. (2022) MLL::AF9 degradation induces rapid changes in transcriptional elongation and subsequent loss of an active chromatin landscape. *Molecular cell*, 82(6), 1140.

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

Duncan-Lewis C, et al. (2021) Cytoplasmic mRNA decay represses RNA polymerase II transcription during early apoptosis. *eLife*, 10.

Li J, et al. (2021) A Role for SMARCB1 in Synovial Sarcomagenesis Reveals That SS18-SSX Induces Canonical BAF Destruction. *Cancer discovery*, 11(10), 2620.

Pan Q, et al. (2021) The ZMYND8-regulated mevalonate pathway endows YAP-high intestinal cancer with metabolic vulnerability. *Molecular cell*, 81(13), 2736.

Narita T, et al. (2021) Enhancers are activated by p300/CBP activity-dependent PIC assembly, RNAPII recruitment, and pause release. *Molecular cell*, 81(10), 2166.

Abeywickrama-Samarakoon N, et al. (2020) Hepatitis Delta Virus histone mimicry drives the recruitment of chromatin remodelers for viral RNA replication. *Nature communications*, 11(1), 419.

Beckedorff F, et al. (2020) The Human Integrator Complex Facilitates Transcriptional Elongation by Endonucleolytic Cleavage of Nascent Transcripts. *Cell reports*, 32(3), 107917.

Peel MT, et al. (2020) The Transcription Factor NR4A2 Plays an Essential Role in Driving Prolactin Expression in Female Pituitary Lactotropes. *Endocrinology*, 161(5).