

Resource Summary Report

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Histone H3 (acetyl K27) antibody - ChIP Grade

RRID:AB_2118291

Type: Antibody

Proper Citation

(Abcam Cat# ab4729, RRID:AB_2118291)

Antibody Information

URL: http://antibodyregistry.org/AB_2118291

Proper Citation: (Abcam Cat# ab4729, RRID:AB_2118291)

Target Antigen: Histone H3 (acetyl K27)

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: IHC-Fr, ICC/IF, WB, IHC-P, CHIPseq, ChIP/Chip, ChIP, PepArr

Antibody Name: Histone H3 (acetyl K27) antibody - ChIP Grade

Description: This polyclonal targets Histone H3 (acetyl K27)

Target Organism: chicken, monkey, rat, cow, rice, mouse, zebrafish, human

Antibody ID: AB_2118291

Vendor: Abcam

Catalog Number: ab4729

Record Creation Time: 20231110T081452+0000

Record Last Update: 20241115T093948+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: GR104852 is available under ENCODE ID: ENCAB000BSK - ENCODE <https://www.encodeproject.org/antibodies/ENCAB000BSK>

No alerts have been found for Histone H3 (acetyl K27) antibody - ChIP Grade.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 485 mentions in open access literature.

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

Hansen TJ, et al. (2024) Human gene regulatory evolution is driven by the divergence of regulatory element function in both cis and trans. *Cell genomics*, 4(4), 100536.

Lin K, et al. (2024) Disrupted methionine cycle triggers muscle atrophy in cancer cachexia through epigenetic regulation of REDD1. *Cell metabolism*.

Etoh K, et al. (2024) Citrate metabolism controls the senescent microenvironment via the remodeling of pro-inflammatory enhancers. *Cell reports*, 43(8), 114496.

Yang C, et al. (2024) The roles of nuclear orphan receptor NR2F6 in anti-viral innate immunity. *PLoS pathogens*, 20(6), e1012271.

Liu S, et al. (2024) Regulation of T helper cell differentiation by the interplay between histone modification and chromatin interaction. *Immunity*, 57(5), 987.

Gualdrini F, et al. (2024) An integrative epigenome-based strategy for unbiased functional profiling of clinical kinase inhibitors. *Molecular systems biology*, 20(6), 626.

Prutsch N, et al. (2024) STAT3 couples activated tyrosine kinase signaling to the oncogenic core transcriptional regulatory circuitry of anaplastic large cell lymphoma. *Cell reports. Medicine*, 5(3), 101472.

Hariprakash JM, et al. (2024) Leveraging Tissue-Specific Enhancer-Target Gene Regulatory Networks Identifies Enhancer Somatic Mutations That Functionally Impact Lung Cancer. *Cancer research*, 84(1), 133.

Hosseinzadeh L, et al. (2024) The androgen receptor interacts with GATA3 to transcriptionally regulate a luminal epithelial cell phenotype in breast cancer. *Genome biology*, 25(1), 44.

Liu W, et al. (2024) CUX1 regulates human hematopoietic stem cell chromatin accessibility

via the BAF complex. *Cell reports*, 43(5), 114227.

Abu-Zaid A, et al. (2024) Histone lysine demethylase 4 family proteins maintain the transcriptional program and adrenergic cellular state of MYCN-amplified neuroblastoma. *Cell reports. Medicine*, 5(3), 101468.

Patty BJ, et al. (2024) Widespread impact of nucleosome remodelers on transcription at cis-regulatory elements. *bioRxiv : the preprint server for biology*.

Lin CT, et al. (2024) Protein degradation of Lsd1 is mediated by Bre1 yet opposed by Lsd1-interacting lncRNAs during fly follicle development. *iScience*, 27(5), 109683.

Phongbunchoo Y, et al. (2024) YY1-mediated enhancer-promoter communication in the immunoglobulin γ locus is regulated by MSL/MOF recruitment. *Cell reports*, 43(7), 114456.

Zhou K, et al. (2024) LEUTX regulates porcine embryonic genome activation in somatic cell nuclear transfer embryos. *Cell reports*, 43(6), 114372.

Kim J, et al. (2024) An enhancer RNA recruits KMT2A to regulate transcription of Myb. *Cell reports*, 43(7), 114378.

Tong X, et al. (2024) Adeno-to-squamous transition drives resistance to KRAS inhibition in LKB1 mutant lung cancer. *Cancer cell*, 42(3), 413.

Alpsoy A, et al. (2024) I β B γ is a dual-use coactivator of NF- κ B and POU transcription factors. *Molecular cell*, 84(6), 1149.

Del Vecchio A, et al. (2024) PCGF6 controls murine Tuft cell differentiation via H3K9me2 modification independently of Polycomb repression. *Developmental cell*, 59(3), 368.

Dror I, et al. (2024) XIST directly regulates X-linked and autosomal genes in naive human pluripotent cells. *Cell*, 187(1), 110.