Resource Summary Report

Generated by NIF on Sep 12, 2026

Anti-Histone H3 (tri methyl K4) antibody - ChIP Grade

RRID:AB_306649
Type: Antibody

Proper Citation

Abcam Cat# ab8580, RRID:AB_306649

Antibody Information

URL: http://antibodyregistry.org/AB_306649

Proper Citation: Abcam Cat# ab8580, RRID:AB_306649

Target Antigen: Histone H3 (tri methyl K4)

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: ChIP/Chip, PepArr, ICC, ChIP, WB, IHC-Fr, IP, CHIPseq, Flow Cyt, ICC/IF, IHC-P
ENCODE PROJECT External validation for lot# GR22077-1 is available under ENCODE ID: ENCAB000ANV
Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE

Antibody Name: Anti-Histone H3 (tri methyl K4) antibody - ChIP Grade

Description: This polyclonal targets Histone H3 (tri methyl K4)

Target Organism: rat, rice, pig, mouse, rabbit, zebrafish, human, tetrahymena

Defining Citation: PMID:21452232

Antibody ID: AB_306649

Vendor: Abcam

Catalog Number: ab8580

Record Creation Time: 20231110T035233+0000

Record Last Update: 20260828T231013+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: GR31996 is available under ENCODE ID: ENCAB725RFE - ENCODE https://www.encodeproject.org/antibodies/ENCAB725RFE

No alerts have been found for Anti-Histone H3 (tri methyl K4) antibody - ChIP Grade.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 267 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Tollenaere A, et al. (2026) Mechanisms of gene regulation by SRCAP and H2A.Z. Nature communications, 17(1).

Li X, et al. (2026) A plant histone H3.3-specific amino acid safeguards the deposition of H3K36 methylation for proper development and stress responses. Developmental cell, 61(4), 871.

Fang X, et al. (2026) The AGPS regulatory variant rs113671272 confers esophageal squamous cell carcinoma susceptibility through allele-specific MEIS3 binding and NF-?B activation in Chinese populations. EBioMedicine, 127, 106249.

Chen H, et al. (2026) Genome-wide rotational and translational phasing of nucleosomes with human transcription factors. Molecular cell, 86(14), 2722.

Chen Y, et al. (2026) PFKFB4 Deubiquitination by USP10 Enhances Fumarate Metabolism to Orchestrate the KDM1A/Rad51 Axis and Confer Radioresistance in Lung Cancer. Advanced science (Weinheim, Baden-Wurttemberg, Germany), e76439.

Hokenson RE, et al. (2026) Hippocampal estrogen levels, receptor types, and epigenetics contribute to sex-specific memory vulnerabilities to concurrent acute stresses. Neuron, 114(8), 1454.

Malmhäll-Bah E, et al. (2026) Role of MNX1-mediated histone modifications and PBX gene family in MNX1-induced leukemogenesis. Scientific reports, 16(1), 2593.

Krishna Kumar N, et al. (2026) SLC22A3/OCT3 drives serotonin-mediated stemness in pancreatic cancer. Cell reports, 45(6), 117387.

Luo YN, et al. (2026) Tracking mobilization uncovers an evolutionarily conserved mechanism in suppressing mobile genetic elements. Molecular cell, 86(12), 2263.

Citron F, et al. (2026) DPY30 Is an Epigenetic Decoupler Linking Replication Stress to Immunoediting in Pancreatic Cancer. Cancer research, 86(12), 2837.

Kim PG, et al. (2026) Metabolic control of innate immune activation in TET2-mutant clonal hematopoiesis. Cell chemical biology, 33(2), 183.

Yuan C, et al. (2026) The XSER1 lncRNA acts as an enhancer RNA and confers resistance to pathogens by promoting chromatin loop formation in rice. Molecular cell, 86(6), 998.

Kim J, et al. (2026) Electromagnetic field-inducible in vivo gene switch for remote spatiotemporal control of gene expression. Cell, 189(11), 3465.

Gasperini P, et al. (2025) Germline-somatic liaison dictates cancer subtype via de novo steroid biosynthesis. Cancer discovery.

Pal M, et al. (2025) The establishment of nuclear organization in mouse embryos is orchestrated by multiple epigenetic pathways. Cell, 188(13), 3583.

Flaherty JN, et al. (2025) The catalytic efficiency of METTL16 affects cellular processes by governing the intracellular S-adenosylmethionine setpoint. Cell reports, 44(7), 115966.

Guo Y, et al. (2025) Mechanical Loading Induces NRF2 Nuclear Translocation to Epigenetically Remodel Oxidative Stress Defense in Osteocytes. Antioxidants (Basel, Switzerland), 14(3).

Nunez-Vazquez R, et al. (2025) The histone variant H3.14 is an early player in the abiotic stress response of Arabidopsis. Developmental cell.

Jiang S, et al. (2025) JMJD2 regulates enhancer-promoter interactions via biomolecular condensate formation. Nature genetics.

Bryan E, et al. (2025) Nucleosomal asymmetry shapes histone mark binding and promotes poising at bivalent domains. Molecular cell, 85(3), 471.