

Resource Summary Report

Generated by [dkNET](#) on Sep 13, 2026

Histone H3 (di methyl K79) antibody - ChIP Grade

RRID:AB_303937

Type: Antibody

Proper Citation

Abcam Cat# ab3594, RRID:AB_303937

Antibody Information

URL: http://antibodyregistry.org/AB_303937

Proper Citation: Abcam Cat# ab3594, RRID:AB_303937

Target Antigen: Histone H3 (di methyl K79) antibody - ChIP Grade

Host Organism: rabbit

Clonality: polyclonal

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

Antibody Name: Histone H3 (di methyl K79) antibody - ChIP Grade

Description: This polyclonal targets Histone H3 (di methyl K79) antibody - ChIP Grade

Target Organism: cow, yeastfungi, mouse, bovine, human

Antibody ID: AB_303937

Vendor: Abcam

Catalog Number: ab3594

Record Creation Time: 20231110T081433+0000

Record Last Update: 20260829T225858+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: 573640 is available under ENCODE ID: ENCAB000AOQ - ENCODE
<https://www.encodeproject.org/antibodies/ENCAB000AOQ>

No alerts have been found for Histone H3 (di methyl K79) antibody - ChIP Grade.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 33 mentions in open access literature.

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

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.

Assaf S, et al. (2026) Glioblastoma stem cell growth requires DOT1L-MED23 control of enhancer accessibility. Cell reports, 45(7), 117647.

Liang F, et al. (2024) DOT1L/H3K79me2 represses HIV-1 reactivation via recruiting DCAF1. Cell reports, 43(7), 114368.

Malla AB, et al. (2023) DOT1L bridges transcription and heterochromatin formation at mammalian pericentromeres. EMBO reports, 24(8), e56492.

Swaffer MP, et al. (2023) RNA polymerase II dynamics and mRNA stability feedback scale mRNA amounts with cell size. Cell, 186(24), 5254.

Yang M, et al. (2022) Chemical-induced chromatin remodeling reprograms mouse ESCs to totipotent-like stem cells. Cell stem cell, 29(3), 400.

Hoshii T, et al. (2022) SETD1A regulates transcriptional pause release of heme biosynthesis genes in leukemia. Cell reports, 41(9), 111727.

Sasaki K, et al. (2022) Visualization of the dynamic interaction between nucleosomal histone H3K9 tri-methylation and HP1 γ chromodomain in living cells. Cell chemical biology, 29(7), 1153.

Harpaz N, et al. (2022) Single-cell epigenetic analysis reveals principles of chromatin states in H3.3-K27M gliomas. Molecular cell, 82(14), 2696.

Song T, et al. (2021) DOT1L O-GlcNAcylation promotes its protein stability and MLL-fusion leukemia cell proliferation. Cell reports, 36(12), 109739.

Terranova CJ, et al. (2021) Reprogramming of H3K9bhb at regulatory elements is a key feature of fasting in the small intestine. Cell reports, 37(8), 110044.

Terranova CJ, et al. (2021) Reprogramming of bivalent chromatin states in NRAS mutant melanoma suggests PRC2 inhibition as a therapeutic strategy. *Cell reports*, 36(3), 109410.

Scheer S, et al. (2020) The Methyltransferase DOT1L Controls Activation and Lineage Integrity in CD4⁺ T Cells during Infection and Inflammation. *Cell reports*, 33(11), 108505.

Yi D, et al. (2020) Dot1l interacts with Zc3h10 to activate Ucp1 and other thermogenic genes. *eLife*, 9.

Michowski W, et al. (2020) Cdk1 Controls Global Epigenetic Landscape in Embryonic Stem Cells. *Molecular cell*, 78(3), 459.

Boxer LD, et al. (2020) MeCP2 Represses the Rate of Transcriptional Initiation of Highly Methylated Long Genes. *Molecular cell*, 77(2), 294.

Siwek W, et al. (2020) Activation of Clustered IFN γ Target Genes Drives Cohesin-Controlled Transcriptional Memory. *Molecular cell*, 80(3), 396.

Salik B, et al. (2020) Targeting RSPO3-LGR4 Signaling for Leukemia Stem Cell Eradication in Acute Myeloid Leukemia. *Cancer cell*, 38(2), 263.

Maitituoheti M, et al. (2020) Enhancer Reprogramming Confers Dependence on Glycolysis and IGF Signaling in KMT2D Mutant Melanoma. *Cell reports*, 33(3), 108293.

Kealy L, et al. (2020) The Histone Methyltransferase DOT1L Is Essential for Humoral Immune Responses. *Cell reports*, 33(11), 108504.