

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

H3K4me3-human

RRID:AB_1977252

Type: Antibody

Proper Citation

Millipore Cat# 07-473, RRID:AB_1977252

Antibody Information

URL: http://antibodyregistry.org/AB_1977252

Proper Citation: Millipore Cat# 07-473, RRID:AB_1977252

Target Antigen: H3K4me3

Host Organism: rabbit

Clonality: polyclonal

Comments: ENCODE PROJECT External validation for lot# Unknown is available under ENCODE ID: ENCAB000ANU

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:TRUE, NonFunctional in animal:FALSE

Antibody Name: H3K4me3-human

Description: This polyclonal targets H3K4me3

Target Organism: homo sapiens

Antibody ID: AB_1977252

Vendor: Millipore

Catalog Number: 07-473

Record Creation Time: 20250819T225028+0000

Record Last Update: 20250820T032819+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: R0903B0054 is available under ENCODE ID: ENCAB000ASG - ENCODE <https://www.encodeproject.org/antibodies/ENCAB000ASG>

No alerts have been found for H3K4me3-human.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 91 mentions in open access literature.

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

Tingvall-Gustafsson J, et al. (2025) Chromatin interaction-based annotation of regulatory elements reveals dynamic promoter-enhancer interactions in lymphocyte development. *iScience*, 28(7), 112855.

Yagi M, et al. (2025) Bivalent chromatin instructs lineage specification during hematopoiesis. *Cell*, 188(16), 4314.

Lucky AB, et al. (2025) GCN5 Is a Master Regulator of Gene Expression in the Malaria Parasite *Plasmodium falciparum*. *Cells*, 14(12).

Ernst E, et al. (2025) Duckweed genomes and epigenomes underlie triploid hybridization and clonal reproduction. *Current biology : CB*, 35(8), 1828.

Zhang J, et al. (2025) Thymic dendritic cell-derived IL-27p28 promotes the establishment of functional bias against IFN- γ production in newly generated CD4⁺ T cells through STAT1-related epigenetic mechanisms. *eLife*, 13.

Matsui S, et al. (2024) Pioneer and PRDM transcription factors coordinate bivalent epigenetic states to safeguard cell fate. *Molecular cell*, 84(3), 476.

Zhu T, et al. (2024) The BAS chromatin remodeler determines brassinosteroid-induced transcriptional activation and plant growth in *Arabidopsis*. *Developmental cell*.

Nguyen CDK, et al. (2024) PRMT1 promotes epigenetic reprogramming associated with acquired chemoresistance in pancreatic cancer. *Cell reports*, 43(5), 114176.

Toda T, et al. (2024) Mrc1 regulates parental histone segregation and heterochromatin inheritance. *Molecular cell*, 84(17), 3223.

Chapman G, et al. (2024) Defining cis-regulatory elements and transcription factors that control human cortical interneuron development. *iScience*, 27(6), 109967.

Oh J, et al. (2024) Swd2/Cps35 determines H3K4 tri-methylation via interactions with Set1 and Rad6. *BMC biology*, 22(1), 105.

Kim H, et al. (2024) MTOR modulation induces selective perturbations in histone methylation which influence the anti-proliferative effects of mTOR inhibitors. *iScience*, 27(3), 109188.

Liang Z, et al. (2024) PICKLE-mediated nucleosome condensing drives H3K27me3 spreading for the inheritance of Polycomb memory during differentiation. *Molecular cell*, 84(18), 3438.

Hayashi Y, et al. (2024) Control of epigenomic landscape and development of fetal male germ cells through L-serine metabolism. *iScience*, 27(9), 110702.

Xie SS, et al. (2023) JMJ28 guides sequence-specific targeting of ATX1/2-containing COMPASS-like complex in Arabidopsis. *Cell reports*, 42(3), 112163.

Arora UP, et al. (2023) Variation in the CENP-A sequence association landscape across diverse inbred mouse strains. *Cell reports*, 42(10), 113178.

Moniot-Perron L, et al. (2023) The *Drosophila* Fab-7 boundary modulates Abd-B gene activity by guiding an inversion of collinear chromatin organization and alternate promoter use. *Cell reports*, 42(1), 111967.

Najle SR, et al. (2023) Stepwise emergence of the neuronal gene expression program in early animal evolution. *Cell*, 186(21), 4676.

Milevskiy MJG, et al. (2023) Three-dimensional genome architecture coordinates key regulators of lineage specification in mammary epithelial cells. *Cell genomics*, 3(11), 100424.

Moorhouse AJ, et al. (2022) The BASP1 transcriptional corepressor modifies chromatin through lipid-dependent and lipid-independent mechanisms. *iScience*, 25(8), 104796.