

Resource Summary Report

Generated by [dkNET](#) on Aug 3, 2026

H3K27me3-human,H3K27me3-mouse

RRID:AB_310624

Type: Antibody

Proper Citation

Millipore Cat# 07-449, RRID:AB_310624

Antibody Information

URL: http://antibodyregistry.org/AB_310624

Proper Citation: Millipore Cat# 07-449, RRID:AB_310624

Target Antigen: H3K27me3

Host Organism: rabbit

Clonality: polyclonal

Comments: ENCODE PROJECT External validation for lot# DAM1387952 is available under ENCODE ID: ENCAB000ANB

Antibody Name: H3K27me3-human,H3K27me3-mouse

Description: This polyclonal targets H3K27me3

Target Organism: homo sapiens, mus musculus

Antibody ID: AB_310624

Vendor: Millipore

Catalog Number: 07-449

Alternative Catalog Numbers: ENCAB000ANB

Record Creation Time: 20250819T212139+0000

Record Last Update: 20250819T224212+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: Unknown is available under ENCODE ID: ENCAB000AUP - ENCODE <https://www.encodeproject.org/antibodies/ENCAB000AUP>

No alerts have been found for H3K27me3-human,H3K27me3-mouse.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 232 mentions in open access literature.

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

Rouco R, et al. (2026) Temporal constraints on enhancer usage shape the regulation of limb gene transcription. Nature communications, 17(1), 5.

Ramponi V, et al. (2025) H4K20me3-Mediated Repression of Inflammatory Genes Is a Characteristic and Targetable Vulnerability of Persister Cancer Cells. Cancer research, 85(1), 32.

Cai S, et al. (2025) Methionine regulates maternal-fetal immune tolerance and endometrial receptivity by enhancing embryonic IL-5 secretion. Cell reports, 44(2), 115291.

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.

Zhu X, et al. (2025) Menin orchestrates macrophage reprogramming to maintain the pulmonary immune homeostasis. Cell reports, 44(1), 115219.

Matthews RE, et al. (2025) CRAMP1 drives linker histone expression to enable Polycomb repression. Molecular cell, 85(13), 2503.

Li J, et al. (2025) Ribosome dysregulation and intervention in age-related infertility. Cell reports. Medicine, 6(11), 102424.

Fujii T, et al. (2025) Reconstructing epigenomic dynamics through a single-cell multi-epigenome data integration framework. Nature communications, 16(1), 11006.

Dzwigonska M, et al. (2025) Hypoxic stress dysregulates functions of glioma-associated myeloid cells through epigenomic and transcriptional programs. Cell reports, 44(9), 116222.

Žukauskaitė D, et al. (2025) Evaluating endometrial response to human chorionic gonadotropin: alterations in epigenetic regulation and extracellular vesicle cargo of endometrial stromal cells. Human reproduction open, 2025(3), hoaf051.

Nakatani T, et al. (2025) RIF1 controls replication timing in early mouse embryos independently of lamina-associated nuclear organization. *Developmental cell*, 60(16), 2149.

Zobel M, et al. (2025) A human CAGinSTEM platform for decoding HTT repeats' somatic instability links CAG interruption to HD pathology in neurons. *Cell reports*, 44(12), 116685.

Kumar B, et al. (2025) Multiplexed chromatin immunoprecipitation sequencing for quantitative study of histone modifications and chromatin factors. *Nature protocols*, 20(3), 779.

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

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

Yang C, et al. (2025) Glucose-activated JMJD1A drives visceral adipogenesis via α -ketoglutarate-dependent chromatin remodeling. *Cell reports*, 44(8), 116060.

Uranishi K, et al. (2025) MGA directly recruits SETDB1/ATF7IP for histone H3K9me3 mark on meiosis-related genes in mouse embryonic stem cells. *iScience*, 28(8), 113059.

Kuroha K, et al. (2025) Abnormal H3K27me3 underlies degenerative spermatogonial stem cells in cryptorchid testis. *Development (Cambridge, England)*, 152(2).

Solberg T, et al. (2025) Heterochromatin-dependent transcription links the PRC2 complex to small RNA-mediated DNA elimination. *EMBO reports*, 26(1), 273.

Huang T, et al. (2025) Inhibition of PRC2 enables self-renewal of blastoid-competent naive pluripotent stem cells from chimpanzee. *Cell stem cell*, 32(4), 627.