

Resource Summary Report

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

H3K27me3-mouse,H3K27me3-human

RRID:AB_2614987

Type: Antibody

Proper Citation

(Active Motif Cat# 61017, RRID:AB_2614987)

Antibody Information

URL: http://antibodyregistry.org/AB_2614987

Proper Citation: (Active Motif Cat# 61017, RRID:AB_2614987)

Target Antigen: H3K27me3

Host Organism: mouse

Clonality: unknown

Comments: ENCODE PROJECT External validation DATA SET is released testing lot 14013006 for any cell type and tissues; status is eligible for new data

Antibody Name: H3K27me3-mouse,H3K27me3-human

Description: This unknown targets H3K27me3

Target Organism: homo sapiens, mus musculus

Antibody ID: AB_2614987

Vendor: Active Motif

Catalog Number: 61017

Alternative Catalog Numbers: ENCAB723WFC

Record Creation Time: 20260130T082146+0000

Record Last Update: 20260225T232139+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: 14013006 is available under ENCODE ID: ENCAB723WFC - ENCODE <https://www.encodeproject.org/antibodies/ENCAB723WFC>

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

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Ditzer N, et al. (2025) Epigenome profiling identifies H3K27me3 regulation of extracellular matrix composition in human corticogenesis. *Neuron*.

Amin R, et al. (2025) NAT10 promotes cancer metastasis by modulating p300/CBP activity through chromatin-associated tRNA. *Molecular cell*, 85(24), 4526.

Shao Z, et al. (2025) Protocol to investigate bivalent histone modification dynamics via chromatin immunoprecipitation followed by re-chromatin immunoprecipitation. *STAR protocols*, 6(2), 103804.

Arecco N, et al. (2024) Alternative splicing decouples local from global PRC2 activity. *Molecular cell*, 84(6), 1049.

Liu X, et al. (2024) Small-molecule-induced epigenetic rejuvenation promotes SREBP condensation and overcomes barriers to CNS myelin regeneration. *Cell*, 187(10), 2465.

Shao Z, et al. (2024) LHP1 and INO80 cooperate with ethylene signaling for warm ambient temperature response by activating specific bivalent genes. *Cell reports*, 43(9), 114758.

Kubo N, et al. (2024) H3K4me1 facilitates promoter-enhancer interactions and gene activation during embryonic stem cell differentiation. *Molecular cell*, 84(9), 1742.

Jensen CL, et al. (2024) Long-range regulation of transcription scales with genomic distance in a gene-specific manner. *Molecular cell*.

Sundararajan S, et al. (2023) Methylated histones on mitotic chromosomes promote topoisomerase II β function for high fidelity chromosome segregation. *iScience*, 26(5), 106743.

Oger F, et al. (2023) Pharmacological HDAC inhibition impairs pancreatic β -cell function through an epigenome-wide reprogramming. *iScience*, 26(7), 107231.

Glancy E, et al. (2023) PRC2.1- and PRC2.2-specific accessory proteins drive recruitment of different forms of canonical PRC1. *Molecular cell*, 83(9), 1393.

Bowness JS, et al. (2022) Xist-mediated silencing requires additive functions of SPEN and Polycomb together with differentiation-dependent recruitment of SmcHD1. *Cell reports*, 39(7), 110830.

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

Du Z, et al. (2020) Polycomb Group Proteins Regulate Chromatin Architecture in Mouse Oocytes and Early Embryos. *Molecular cell*, 77(4), 825.

Jiang Q, et al. (2019) Hyper-Editing of Cell-Cycle Regulatory and Tumor Suppressor RNA Promotes Malignant Progenitor Propagation. *Cancer cell*, 35(1), 81.

Healy E, et al. (2019) PRC2.1 and PRC2.2 Synergize to Coordinate H3K27 Trimethylation. *Molecular cell*, 76(3), 437.

Wang S, et al. (2019) Epigenetic Compensation Promotes Liver Regeneration. *Developmental cell*, 50(1), 43.

Conway E, et al. (2018) A Family of Vertebrate-Specific Polycombs Encoded by the LCOR/LCORL Genes Balance PRC2 Subtype Activities. *Molecular cell*, 70(3), 408.

Zhang B, et al. (2018) Widespread Enhancer Dememorization and Promoter Priming during Parental-to-Zygotic Transition. *Molecular cell*, 72(4), 673.