

Resource Summary Report

Generated by [RRID](#) on Jul 30, 2026

Rabbit Anti-Histone H3, dimethyl (Lys4) Monoclonal Antibody, Unconjugated, Clone C64G9

RRID:AB_10205451

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 9725, RRID:AB_10205451

Antibody Information

URL: http://antibodyregistry.org/AB_10205451

Proper Citation: Cell Signaling Technology Cat# 9725, RRID:AB_10205451

Target Antigen: Histone H3, dimethyl (Lys4)

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IP, IHC-P, IF-IC, F, ChIP, ChIP-seq. Consolidation on 10/2018: AB_10200454, AB_10205451, AB_823530.

Antibody Name: Rabbit Anti-Histone H3, dimethyl (Lys4) Monoclonal Antibody, Unconjugated, Clone C64G9

Description: This monoclonal targets Histone H3, dimethyl (Lys4)

Target Organism: monkey, rat, mouse, human

Clone ID: Clone C64G9

Antibody ID: AB_10205451

Vendor: Cell Signaling Technology

Catalog Number: 9725

Record Creation Time: 20250820T011102+0000

Record Last Update: 20250820T101506+0000

Ratings and Alerts

No rating or validation information has been found for Rabbit Anti-Histone H3, dimethyl (Lys4) Monoclonal Antibody, Unconjugated, Clone C64G9.

No alerts have been found for Rabbit Anti-Histone H3, dimethyl (Lys4) Monoclonal Antibody, Unconjugated, Clone C64G9.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Wu Z, et al. (2025) Peripheral nervous system microglia-like cells regulate neuronal soma size throughout evolution. *Cell*, 188(8), 2159.

Zhang Q, et al. (2024) EZH2/G9a interact to mediate drug resistance in non-small-cell lung cancer by regulating the SMAD4/ERK/c-Myc signaling axis. *Cell reports*, 43(2), 113714.

Liu CC, et al. (2024) Targeting EMSY-mediated methionine metabolism is a potential therapeutic strategy for triple-negative breast cancer. *Cell reports. Medicine*, 5(2), 101396.

Han G, et al. (2024) Selective translation of nuclear mitochondrial respiratory proteins reprograms succinate metabolism in AML development and chemoresistance. *Cell stem cell*, 31(12), 1777.

Reisbeck L, et al. (2023) The iron chelator and OXPHOS inhibitor VLX600 induces mitophagy and an autophagy-dependent type of cell death in glioblastoma cells. *American journal of physiology. Cell physiology*, 325(6), C1451.

Fang L, et al. (2023) Methionine restriction promotes cGAS activation and chromatin untethering through demethylation to enhance antitumor immunity. *Cancer cell*, 41(6), 1118.

Tang F, et al. (2023) E3 ligase Trim35 inhibits LSD1 demethylase activity through K63-linked ubiquitination and enhances anti-tumor immunity in NSCLC. *Cell reports*, 42(12), 113477.

Qin X, et al. (2023) An oncogenic phenoscape of colonic stem cell polarization. *Cell*, 186(25), 5554.

Jiang J, et al. (2023) Asparagine starvation suppresses histone demethylation through iron depletion. *iScience*, 26(4), 106425.

Chen Z, et al. (2022) Disease-associated KBTBD4 mutations in medulloblastoma elicit neomorphic ubiquitylation activity to promote CoREST degradation. *Cell death and*

differentiation, 29(10), 1955.

van Gils N, et al. (2022) Targeting histone methylation to reprogram the transcriptional state that drives survival of drug-tolerant myeloid leukemia persists. *iScience*, 25(9), 105013.

Xu Y, et al. (2022) The KRAS-G12D mutation induces metabolic vulnerability in B-cell acute lymphoblastic leukemia. *iScience*, 25(3), 103881.

Song J, et al. (2022) Deficiency of peroxisomal NUDT7 stimulates de novo lipogenesis in hepatocytes. *iScience*, 25(10), 105135.

Wang Q, et al. (2022) PTIP governs NAD⁺ metabolism by regulating CD38 expression to drive macrophage inflammation. *Cell reports*, 38(13), 110603.

Villa E, et al. (2021) mTORC1 stimulates cell growth through SAM synthesis and m6A mRNA-dependent control of protein synthesis. *Molecular cell*, 81(10), 2076.

Bressan RB, et al. (2021) Regional identity of human neural stem cells determines oncogenic responses to histone H3.3 mutants. *Cell stem cell*, 28(5), 877.

Kumagai A, et al. (2020) Binding of the Treslin-MTBP Complex to Specific Regions of the Human Genome Promotes the Initiation of DNA Replication. *Cell reports*, 32(12), 108178.

Harachi M, et al. (2020) Dual Regulation of Histone Methylation by mTOR Complexes Controls Glioblastoma Tumor Cell Growth via EZH2 and SAM. *Molecular cancer research : MCR*, 18(8), 1142.

Li Q, et al. (2020) Meiotic Double-Strand Break Processing and Crossover Patterning Are Regulated in a Sex-Specific Manner by BRCA1-BARD1 in *Caenorhabditis elegans*. *Genetics*, 216(2), 359.

Wang Z, et al. (2020) SETD5-Coordinated Chromatin Reprogramming Regulates Adaptive Resistance to Targeted Pancreatic Cancer Therapy. *Cancer cell*, 37(6), 834.