Resource Summary Report

Generated by dkNET on Sep 13, 2026

Di-Methyl-Histone H3 (Lys4) (C64G9) Rabbit mAb

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: Di-Methyl-Histone H3 (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: Di-Methyl-Histone H3 (Lys4) (C64G9) Rabbit mAb

Description: This monoclonal targets Di-Methyl-Histone H3 (Lys4)

Target Organism: monkey, rat, mouse, human

Clone ID: C64G9

Antibody ID: AB_10205451

Vendor: Cell Signaling Technology

Catalog Number: 9725

Record Creation Time: 20231110T075859+0000

Record Last Update: 20260831T204615+0000

Ratings and Alerts

No rating or validation information has been found for Di-Methyl-Histone H3 (Lys4) (C64G9) Rabbit mAb.

No alerts have been found for Di-Methyl-Histone H3 (Lys4) (C64G9) Rabbit mAb.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 24 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Zhang MS, et al. (2026) BCAT1-dependent HIF-1?? stabilization is a targetable metabolic vulnerability in hepatocellular carcinoma. Cell reports. Medicine, 7(5), 102784.

Wang Y, et al. (2026) NuMA promotes constitutive heterochromatin compaction by stabilizing linker histone H1 on chromatin. Cell reports, 45(2), 116901.

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.

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.

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.

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.

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

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.

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

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

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 persisters. 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.

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

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

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.

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.

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.

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.