

Resource Summary Report

Generated by [RRID](#) on Aug 6, 2026

Acetyl-Histone H3 (Lys14) (D4B9) Rabbit mAb

RRID:AB_10839410

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 7627, RRID:AB_10839410

Antibody Information

URL: http://antibodyregistry.org/AB_10839410

Proper Citation: Cell Signaling Technology Cat# 7627, RRID:AB_10839410

Target Antigen: Acetyl-Histone H3 (Lys14) (D4B9) Rabbit mAb

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IP, IF-IC, F, ChIP, ChIP-seq

Antibody Name: Acetyl-Histone H3 (Lys14) (D4B9) Rabbit mAb

Description: This monoclonal targets Acetyl-Histone H3 (Lys14) (D4B9) Rabbit mAb

Target Organism: rat, drosophilaarthropod, hm, hamster, xenopusamphibian, porcine, h, dm, hr, m, horse, yeastfungi, sc, mouse, r, zebrafishfish, pg, x, z, human, mk

Antibody ID: AB_10839410

Vendor: Cell Signaling Technology

Catalog Number: 7627

Record Creation Time: 20250820T063407+0000

Record Last Update: 20250821T002634+0000

Ratings and Alerts

No rating or validation information has been found for Acetyl-Histone H3 (Lys14) (D4B9) Rabbit mAb.

No alerts have been found for Acetyl-Histone H3 (Lys14) (D4B9) Rabbit mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Drekolia MK, et al. (2026) Cystine import and oxidative catabolism fuel vascular growth and repair via nutrient-responsive histone acetylation. *Cell metabolism*, 38(1), 115.

Yu S, et al. (2026) A CLOCK-targeting lncRNA induces trained immunity against tuberculosis. *Cell host & microbe*, 34(1), 68.

Yuan WC, et al. (2025) HBO1 functions as an epigenetic barrier to hepatocyte plasticity and reprogramming during liver injury. *Cell stem cell*, 32(6), 990.

Koppenhafer SL, et al. (2025) Histone Deacetylase Inhibitors Target DNA Replication Regulators and Replication Stress in Ewing Sarcoma Cells. *Cancer research communications*, 5(6), 1034.

Gökbüget D, et al. (2025) KMT2C/KMT2D-dependent H3K4me1 mediates changes in DNA replication timing and origin activity during a cell fate transition. *Cell reports*, 44(2), 115272.

Kurita H, et al. (2024) Epigenetic alternations in the SYP and DLG4 genes due to low-level methylmercury exposure during neuronal differentiation in vitro. *Journal of applied toxicology : JAT*.

Shi W, et al. (2024) Lactic acid induces transcriptional repression of macrophage inflammatory response via histone acetylation. *Cell reports*, 43(2), 113746.

Fu JY, et al. (2024) Lysine acetyltransferase 6A maintains CD4+ T cell response via epigenetic reprogramming of glucose metabolism in autoimmunity. *Cell metabolism*, 36(3), 557.

Wang N, et al. (2024) Reactive Oxygen species dependent increase in H3K27 acetylation by intermittent hypoxia is regulated by H3S28 phosphorylation. *bioRxiv : the preprint server for biology*.

Kuo TL, et al. (2023) ARID1A loss in pancreas leads to islet developmental defect and metabolic disturbance. *iScience*, 26(1), 105881.

Luda KM, et al. (2023) Ketolysis drives CD8+ T cell effector function through effects on histone acetylation. *Immunity*, 56(9), 2021.

Janas JA, et al. (2022) Tip60-mediated H2A.Z acetylation promotes neuronal fate specification and bivalent gene activation. *Molecular cell*, 82(24), 4627.

Ghildiyal R, et al. (2022) Loss of Long Noncoding RNA NXTAR in Prostate Cancer Augments Androgen Receptor Expression and Enzalutamide Resistance. *Cancer research*, 82(1), 155.

Heinlein M, et al. (2022) The acetyltransferase KAT7 is required for thymic epithelial cell expansion, expression of AIRE target genes, and thymic tolerance. *Science immunology*, 7(67), eabb6032.

George J, et al. (2022) Cancer stem cells, not bulk tumor cells, determine mechanisms of resistance to SMO inhibitors. *Cancer research communications*, 2(6), 402.

Miao L, et al. (2022) The landscape of pioneer factor activity reveals the mechanisms of chromatin reprogramming and genome activation. *Molecular cell*, 82(5), 986.

Wu D, et al. (2021) An acetyl-histone vulnerability in PI3K/AKT inhibition-resistant cancers is targetable by both BET and HDAC inhibitors. *Cell reports*, 34(7), 108744.

Nin DS, et al. (2021) GAGE mediates radio resistance in cervical cancers via the regulation of chromatin accessibility. *Cell reports*, 36(9), 109621.

Blaszczak W, et al. (2021) Immune modulation underpins the anti-cancer activity of HDAC inhibitors. *Molecular oncology*, 15(12), 3280.

Stegen S, et al. (2020) Glutamine Metabolism Controls Chondrocyte Identity and Function. *Developmental cell*, 53(5), 530.