

Resource Summary Report

Generated by [NIF](#) on Sep 20, 2026

Acetyl-Histone H3 (Lys27) (D5E4) XP Rabbit mAb

RRID:AB_10949503

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 8173, RRID:AB_10949503

Antibody Information

URL: http://antibodyregistry.org/AB_10949503

Proper Citation: Cell Signaling Technology Cat# 8173, RRID:AB_10949503

Target Antigen: Acetyl-Histone H3 (Lys27) (D5E4) XP Rabbit mAb

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IF-IC, F, ChIP, ChIP-seq. Consolidation on 11/2018: AB_10949503, AB_10949887, AB_2616015.

Antibody Name: Acetyl-Histone H3 (Lys27) (D5E4) XP Rabbit mAb

Description: This monoclonal targets Acetyl-Histone H3 (Lys27) (D5E4) XP Rabbit mAb

Target Organism: rat, hm, hamster, h, gp, hr, m, horse, mouse, r, x, z, human, mk

Antibody ID: AB_10949503

Vendor: Cell Signaling Technology

Catalog Number: 8173

Record Creation Time: 20231110T062956+0000

Record Last Update: 20260830T030423+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: 3 is available under ENCODE ID: ENCAB502OHI - ENCODE

No alerts have been found for Acetyl-Histone H3 (Lys27) (D5E4) XP Rabbit mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 155 mentions in open access literature.

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

Liu S, et al. (2026) γ -hydroxybutyrate enhances the metabolic fitness of CAR T cells in cancer. *Cell*, 189(6), 1701.

Assi M, et al. (2026) Extracellular matrix sensing regulates intratumoral heterogeneity of autophagic flux. *Cell*, 189(6), 1731.

Ren D, et al. (2026) Gasdermin C reprograms metabolism through the CAMKK2-AMPK axis to promote lung adenocarcinoma progression and radioresistance. *Cell reports*, 45(6), 117427.

Xu H, et al. (2026) Metabolic checkpoint CPS1 sustains TCA anaplerosis via urea cycle in IDH-mutant gliomas. *Cancer letters*, 654, 218606.

Suresh V, et al. (2026) Modelling EWS::FLI1 protein fluctuations reveal determinants of tumor plasticity in Ewing sarcoma. *EMBO molecular medicine*, 18(2), 646.

Niekamp S, et al. (2026) Mutual antagonism between PRC1 condensates and SWI/SNF in chromatin regulation. *Molecular cell*, 86(9), 1673.

Barajas JM, et al. (2026) Tandem Duplications in UBTF Create XPO1-Dependent Nuclear Export Signals that Reveal a Leukemic Therapeutic Dependency. *Blood cancer discovery*, 7(1), 51.

Choudhury SR, et al. (2026) HOXC6 overexpression stimulates cell migration and correlates with poor prognosis in head and neck squamous cell carcinoma. *Cellular and molecular life sciences : CMLS*, 83(1), 77.

Kunitomi H, et al. (2026) eIF4G2-mediated selective translation of chromatin regulators safeguards adult intestinal stem cell identity and differentiation. *Cell stem cell*, 33(6), 1000.

Yang S, et al. (2026) Oat- β -glucan potentiates anti-PD-1 efficacy through *Faecalibacterium prausnitzii*-derived butyrate and indole-3-propionic acid. *Cell host & microbe*, 34(7), 1333.

Luna G, et al. (2026) MYRF controls mesothelium specification, signaling, and plasticity in lung development. *Developmental cell*, 61(3), 536.

Zhao Y, et al. (2026) IDH1 Reprograms Nucleotide Metabolism by Inducing Chromatin Remodeling and DHODH Transcription to Drive Chemoresistance in Nasopharyngeal Carcinoma. *Cancer research*, 86(8), 2004.

Safari M, et al. (2026) Combined HDAC and eIF4A inhibition: A novel epigenetic therapy for pancreatic ductal adenocarcinoma. *Drug resistance updates : reviews and commentaries in antimicrobial and anticancer chemotherapy*, 84, 101312.

Yamanaka S, et al. (2026) An interactome-based framework for DDB1- and CUL4-associated factor prioritization in targeted protein degradation. *Molecular cell*, 86(7), 1397.

Parnas H, et al. (2026) Intermittent Fasting Enhances Genome Integrity and Cytoprotective Pathways via (BHB) β -Hydroxybutyrate Signaling and Chromatin Remodeling. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 40(6), e71681.

López-Fuentes E, et al. (2026) Epigenetic and Transcriptional Programs Define Osteosarcoma Subtypes and Establish Targetable Vulnerabilities. *Cancer discovery*, 16(2), 296.

Wu X, et al. (2026) NAT10-dependent N4-acetylcytidine reprograms R-loops and promotes cancer stem cell growth. *Cell reports*, 45(6), 117408.

Maqoud F, et al. (2026) Modulation of KATP channels by diazoxide preserves mitochondrial function and barrier integrity under staurosporine-induced epithelial stress. *British journal of pharmacology*, 183(12), 3213.

Ji JH, et al. (2026) The transcriptional repressor Fli1 inhibits proteostasis during nutrient stress to limit NK cell persistence in solid tumors. *Immunity*, 59(3), 717.

Liu XQ, et al. (2025) De novo assembly of nuclear stress bodies rearranges and enhances NFIL3 to restrain acute inflammatory responses. *Cell*, 188(17), 4586.