

# Resource Summary Report

Generated by [RRID](#) on Aug 1, 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](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:** 20250820T055714+0000

**Record Last Update:** 20250820T225454+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.

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 136 mentions in open access literature.

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

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.

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.

Bajikar SS, et al. (2025) Acute MeCP2 loss in adult mice reveals transcriptional and chromatin changes that precede neurological dysfunction and inform pathogenesis. *Neuron*, 113(3), 380.

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.

Qin LN, et al. (2025) Extrachromosomal DNA biogenesis is dependent on DNA looping and religation by YY1-Lig3-PARYlation complex. *Molecular cell*, 85(16), 3090.

Ciuba K, et al. (2025) Molecular signature of primate astrocytes reveals pathways and regulatory changes contributing to human brain evolution. *Cell stem cell*, 32(3), 426.

Zamuner FT, et al. (2025) Epigenetic profiling reveals key super-enhancer networks driving oncogenesis in HPV-positive HNSCC. *iScience*, 28(11), 113911.

Zheng B, et al. (2025) BRD2 bridges TFIID and MOF-H4K16ac-containing nucleosomes to promote transcriptional initiation. *Molecular cell*.

He X, et al. (2025) PI3K?? functions as a protein kinase to promote cellular protein O-GlcNAcylation and acetyl-CoA production for tumor growth. *Molecular cell*, 85(7), 1411.

Gao C, et al. (2025) Hypoxia-induced phase separation of ZHX2 alters chromatin looping to drive cancer metastasis. *Molecular cell*, 85(8), 1525.

Oka T, et al. (2025) Epigenomic regulation of stemness contributes to the low immunogenicity of the most mutated human cancer. *Cell reports*, 44(5), 115561.

Wang W, et al. (2025) Chromatin modification abnormalities by CHD7 and KMT2C loss promote medulloblastoma progression. *Cell reports*, 44(5), 115673.

Rominger MC, et al. (2025) Mutant RIT1 cooperates with YAP to drive an EMT-like lung cancer state. *Cell reports*, 44(10), 116185.

Chang J, et al. (2025) Antagonistic roles for MITF and TFE3 in melanoma plasticity. *Cell reports*, 44(4), 115474.

Li Y, et al. (2025) SIWRKY14 integrates carotenoid and flavonoid biosynthetic pathways to regulate coloration and quality of tomato fruits. *Cell reports*, 44(10), 116369.

Bird SG, et al. (2025) Regulatory role for tumor suppressor REST on estrogen receptor (ESR1) expression and leiomyoma pathophysiology. *The Journal of biological chemistry*, 302(1), 111017.

Li H, et al. (2025) Mapping chromatin structure at base-pair resolution unveils a unified model of cis-regulatory element interactions. *Cell*, 188(25), 7175.

Ganpat MMP, et al. (2025) An engineered tumor organoid model reveals cellular identity and signaling trajectories underlying SFPQ-TFE3 driven translocation RCC. *iScience*, 28(4), 112122.

Zhao K, et al. (2025) Endogenous fine-mapping and prioritization of functional regulatory elements in complex genetic loci. *Cell genomics*, 100982.

Hu W, et al. (2025) High fructose promotes MYCN-amplified neuroblastoma progression through NgBR-ACSS2-mediated biosynthesis of acetyl-CoA. *Cell reports*, 44(7), 115947.