

Resource Summary Report

Generated by [NIF](#) on Sep 15, 2026

Histone H3 (acetyl K27) antibody - ChIP Grade

RRID:AB_2118291

Type: Antibody

Proper Citation

Abcam Cat# ab4729, RRID:AB_2118291

Antibody Information

URL: http://antibodyregistry.org/AB_2118291

Proper Citation: Abcam Cat# ab4729, RRID:AB_2118291

Target Antigen: Histone H3 (acetyl K27)

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: IHC-Fr, ICC/IF, WB, IHC-P, CHIPseq, ChIP/Chip, ChIP, PepArr

Antibody Name: Histone H3 (acetyl K27) antibody - ChIP Grade

Description: This polyclonal targets Histone H3 (acetyl K27)

Target Organism: chicken, monkey, rat, cow, rice, mouse, zebrafish, human

Antibody ID: AB_2118291

Vendor: Abcam

Catalog Number: ab4729

Record Creation Time: 20231110T081452+0000

Record Last Update: 20260901T053142+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: GR104852 is available under ENCODE ID: ENCAB000BSK - ENCODE
<https://www.encodeproject.org/antibodies/ENCAB000BSK>

No alerts have been found for Histone H3 (acetyl K27) antibody - ChIP Grade.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 607 mentions in open access literature.

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

Wetterwald L, et al. (2026) MYCT1-IFITM2/3 interaction links endothelial endolysosomal trafficking to white adipose tissue expansion. *The Journal of experimental medicine*, 223(5).

Nitsch S, et al. (2026) H4K16 acylations destabilize chromatin architecture and facilitate transcriptional response during metabolic perturbations. *Molecular cell*, 86(1), 24.

Qiu F, et al. (2026) Maternal exercise improves vascular function in hypertensive offspring via A-kinase anchoring protein 150 gene (Akap5) epigenetic modifications. *British journal of pharmacology*, 183(10), 2592.

Lisci M, et al. (2026) Functional nutrient-genetic profiling reveals biotin and FBXW7 are essential to bypass glutamine addiction. *Molecular cell*, 86(5), 901.

Du S, et al. (2026) Brain-engrafted monocyte-derived macrophages from blood and skull-bone marrow exhibit distinct properties. *Neuron*, 114(11), 1986.

Chen H, et al. (2026) Genome-wide rotational and translational phasing of nucleosomes with human transcription factors. *Molecular cell*, 86(14), 2722.

Fang X, et al. (2026) The AGPS regulatory variant rs113671272 confers esophageal squamous cell carcinoma susceptibility through allele-specific MEIS3 binding and NF- κ B activation in Chinese populations. *EBioMedicine*, 127, 106249.

Liu H, et al. (2026) Vaginal microbiota transfer ameliorates cesarean-associated neurodevelopmental deficits in mice via N-bc2S1P synthesis on neonatal skin. *Cell host & microbe*, 34(5), 942.

Sato T, et al. (2026) Epigenomic profiling of neuroendocrine lung cancers identifies a classical-neuroendocrine ASCL1/NKX2-1 subtype and a SOX11-associated differentiation axis linked to reduced immunogenicity. *Lung cancer (Amsterdam, Netherlands)*, 217, 109464.

Bready D, et al. (2026) A developmentally regulated long-range enhancer-promoter contact mediates human neural development. *bioRxiv : the preprint server for biology*.

Chen S, et al. (2026) 16-h fasting optimizes cancer immunotherapy in mice and humans. *Cell metabolism*, 38(5), 944.

Wang S, et al. (2026) Purinergic signaling promotes gliomagenesis through nuclear calcium transients. *bioRxiv : the preprint server for biology*.

Fujiyama H, et al. (2026) Diamond-Blackfan anemia gene product RPS19 counteracts SET to maintain p53 transcriptional activity and tumor suppressor function. *Cell reports*, 45(5), 117333.

Zhou Y, et al. (2026) Hormetic fasting extends *Caenorhabditis elegans* lifespan via H3K27 acetylation of lipid catabolism and antioxidant genes. *Cell reports*, 45(6), 117518.

Zhe C, et al. (2026) SP1 induces synthetic vascular smooth muscle cell by transcriptional activation of EP4: A preliminary mechanism study. *Tissue & cell*, 103, 103662.

Postlmayr A, et al. (2026) Functionally distinct ALK and ROS1 fusions detected in infant-type hemispheric gliomas converge on STAT3 and SHP2 activation. *Cell reports*, 45(3), 117046.

Kaur H, et al. (2026) Dynamicity of Topoisomerase 1 binding at super-enhancers regulates TLR-responsive gene expression program in macrophages. *Cell reports*, 45(7), 117604.

Choubey P, et al. (2026) Cohesin complex cooperates with PU.1 at super-enhancers to regulate the differentiation and identity of conventional dendritic cells. *Cell reports*, 45(5), 117331.

Shaheen MT, et al. (2026) The Lysine Demethylase KDM4C Is an Oncogenic Driver and Regulates ERK Activity in KRAS-Mutant Pancreatic Ductal Adenocarcinoma. *Cancer research communications*, 6(1), 245.

Tsuruta A, et al. (2026) The circadian clock component BMAL1 enhances macrophage inflammation by nuclear translocation of peroxisomal β -oxidation enzyme MFP2. *Cell reports*, 45(6), 117480.