

# Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://fdi-lab.sci-crunch.org) on Apr 10, 2025

## Histone H3 (acetyl K9 + K14 + K18 + K23 + K27) antibody - ChIP Grade

RRID:AB\_873860

Type: Antibody

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### Proper Citation

(Abcam Cat# ab47915, RRID:AB\_873860)

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### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_873860](http://antibodyregistry.org/AB_873860)

**Proper Citation:** (Abcam Cat# ab47915, RRID:AB\_873860)

**Target Antigen:** Histone H3 (acetyl K9 + K14 + K18 + K23 + K27) antibody - ChIP Grade

**Host Organism:** rabbit

**Clonality:** polyclonal

**Comments:** validation status unknown, seller recommendations provided in 2012: ChIP, WB; Western Blot; ChIP

**Antibody Name:** Histone H3 (acetyl K9 + K14 + K18 + K23 + K27) antibody - ChIP Grade

**Description:** This polyclonal targets Histone H3 (acetyl K9 + K14 + K18 + K23 + K27) antibody - ChIP Grade

**Target Organism:** human

**Antibody ID:** AB\_873860

**Vendor:** Abcam

**Catalog Number:** ab47915

**Record Creation Time:** 20231110T075402+0000

**Record Last Update:** 20241115T010731+0000

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## Ratings and Alerts

No rating or validation information has been found for Histone H3 (acetyl K9 + K14 + K18 + K23 + K27) antibody - ChIP Grade.

No alerts have been found for Histone H3 (acetyl K9 + K14 + K18 + K23 + K27) antibody - ChIP Grade.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 17 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

Wang H, et al. (2024) Nucleo-cytosolic acetyl-CoA drives tumor immune evasion by regulating PD-L1 in melanoma. *Cell reports*, 43(12), 115015.

Bhaskar A, et al. (2023) SIRT2 inhibition by AGK2 enhances mycobacteria-specific stem cell memory responses by modulating beta-catenin and glycolysis. *iScience*, 26(5), 106644.

Zhao C, et al. (2023) A fiber-enriched diet alleviates *Staphylococcus aureus*-induced mastitis by activating the HDAC3-mediated antimicrobial program in macrophages via butyrate production in mice. *PLoS pathogens*, 19(1), e1011108.

Bandopadhyay S, et al. (2023) Oncogene-mediated nuclear accumulation of lactate promotes epigenetic alterations to induce cancer cell proliferation. *Journal of cellular biochemistry*, 124(4), 495.

Jamsheer K M, et al. (2022) A negative feedback loop of TOR signaling balances growth and stress-response trade-offs in plants. *Cell reports*, 39(1), 110631.

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.

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.

Abeywickrama-Samarakoon N, et al. (2020) Hepatitis Delta Virus histone mimicry drives the recruitment of chromatin remodelers for viral RNA replication. *Nature communications*, 11(1), 419.

Sessa A, et al. (2019) SETD5 Regulates Chromatin Methylation State and Preserves Global Transcriptional Fidelity during Brain Development and Neuronal Wiring. *Neuron*, 104(2), 271.

Schulthess J, et al. (2019) The Short Chain Fatty Acid Butyrate Imprints an Antimicrobial Program in Macrophages. *Immunity*, 50(2), 432.

Wu Q, et al. (2019) A chemical toolbox for the study of bromodomains and epigenetic signaling. *Nature communications*, 10(1), 1915.

Merk DJ, et al. (2018) Opposing Effects of CREBBP Mutations Govern the Phenotype of Rubinstein-Taybi Syndrome and Adult SHH Medulloblastoma. *Developmental cell*, 44(6), 709.

Sechet E, et al. (2018) Natural molecules induce and synergize to boost expression of the human antimicrobial peptide  $\alpha$ -defensin-3. *Proceedings of the National Academy of Sciences of the United States of America*, 115(42), E9869.

Arango D, et al. (2018) Acetylation of Cytidine in mRNA Promotes Translation Efficiency. *Cell*, 175(7), 1872.

Kalkat M, et al. (2018) MYC Protein Interactome Profiling Reveals Functionally Distinct Regions that Cooperate to Drive Tumorigenesis. *Molecular cell*, 72(5), 836.

Langlet F, et al. (2017) Selective Inhibition of FOXO1 Activator/Repressor Balance Modulates Hepatic Glucose Handling. *Cell*, 171(4), 824.

D'Urso A, et al. (2016) Set1/COMPASS and Mediator are repurposed to promote epigenetic transcriptional memory. *eLife*, 5.