

Resource Summary Report

Generated by [RRID](#) on Aug 2, 2026

Histone H4 (acetylated) (acetyl K12) antibody - ChIP Grade

RRID:AB_873859

Type: Antibody

Proper Citation

Abcam Cat# ab46983, RRID:AB_873859

Antibody Information

URL: http://antibodyregistry.org/AB_873859

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Target Antigen: Histone H4 (acetylated) (acetyl K12) antibody - ChIP Grade

Host Organism: rabbit

Clonality: polyclonal

Comments: validation status unknown, seller recommendations provided in 2012: ChIP; Western Blot; Immunofluorescence; Dot Blot; Immunocytochemistry; ChIP, Dot, ICC/IF, WB

Antibody Name: Histone H4 (acetylated) (acetyl K12) antibody - ChIP Grade

Description: This polyclonal targets Histone H4 (acetylated) (acetyl K12) antibody - ChIP Grade

Target Organism: yeast/fungi, saccharomyces cerevisiae, mouse, human

Antibody ID: AB_873859

Vendor: Abcam

Catalog Number: ab46983

Record Creation Time: 20250819T223947+0000

Record Last Update: 20250820T025430+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: unknown is available under ENCODE ID: ENCAB327ADQ - ENCODE <https://www.encodeproject.org/antibodies/ENCAB327ADQ>

No alerts have been found for Histone H4 (acetylated) (acetyl K12) antibody - ChIP Grade.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

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

Osaki M, et al. (2025) Histone deacetylation as a landmark for Sgo2 relocation from centromeres to subtelomeres during interphase. *iScience*, 28(6), 112717.

Li N, et al. (2024) Hippocampal HDAC5-mediated histone acetylation underlies stress susceptibility in mice exposed to chronic social defeat stress. *Neuroscience*, 557, 89.

Rivard RS, et al. (2024) Improved detection of DNA replication fork-associated proteins. *Cell reports*, 43(5), 114178.

Charidemou E, et al. (2022) Histone acetyltransferase NAA40 modulates acetyl-CoA levels and lipid synthesis. *BMC biology*, 20(1), 22.

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.

Kumar R, et al. (2021) HDAC inhibition prevents hypobaric hypoxia-induced spatial memory impairment through P3K/GSK3/CREB pathway. *Journal of cellular physiology*, 236(9), 6754.

Wang Z, et al. (2020) SETD5-Coordinated Chromatin Reprogramming Regulates Adaptive Resistance to Targeted Pancreatic Cancer Therapy. *Cancer cell*, 37(6), 834.

Gruber JJ, et al. (2019) Chromatin Remodeling in Response to BRCA2-Crisis. *Cell reports*, 28(8), 2182.

Gruber JJ, et al. (2019) HAT1 Coordinates Histone Production and Acetylation via H4 Promoter Binding. *Molecular cell*, 75(4), 711.

Clouaire T, et al. (2018) Comprehensive Mapping of Histone Modifications at DNA Double-Strand Breaks Deciphers Repair Pathway Chromatin Signatures. *Molecular cell*,

72(2), 250.