

Resource Summary Report

Generated by [RRID](#) on Aug 14, 2026

Recombinant Anti-N4-acetylcytidine (ac4C) antibody [EPRNCI-184-128]

RRID:AB_2827750

Type: Antibody

Proper Citation

Abcam Cat# ab252215, RRID:AB_2827750

Antibody Information

URL: http://antibodyregistry.org/AB_2827750

Proper Citation: Abcam Cat# ab252215, RRID:AB_2827750

Target Antigen: N4-acetylcytidine (ac4C)

Host Organism: rabbit

Clonality: recombinant

Comments: Applications: Dot blot, Northern Blot, RIP

Antibody Name: Recombinant Anti-N4-acetylcytidine (ac4C) antibody [EPRNCI-184-128]

Description: This recombinant targets N4-acetylcytidine (ac4C)

Clone ID: [EPRNCI-184-128]

Antibody ID: AB_2827750

Vendor: Abcam

Catalog Number: ab252215

Record Creation Time: 20250819T224425+0000

Record Last Update: 20250820T030936+0000

Ratings and Alerts

No rating or validation information has been found for Recombinant Anti-N4-acetylcytidine (ac4C) antibody [EPRNCI-184-128].

No alerts have been found for Recombinant Anti-N4-acetylcytidine (ac4C) antibody [EPRNCI-184-128].

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Shao J, et al. (2026) N-acetyltransferase 10 regulates chemokine expression in keratinocytes and promotes atopic dermatitis. *Cell chemical biology*.

Huang F, et al. (2026) Nat10-mediated ac4C epitranscriptomics orchestrates hematopoietic stem/progenitor cell fate determination via translation control. *Science advances*, 12(2), eady0301.

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

Shawky AMA, et al. (2025) DDX3X acts as a selective dual switch regulator of mRNA translation in acute ER stress. *Cell reports*, 44(11), 116493.

Amin R, et al. (2025) NAT10 promotes cancer metastasis by modulating p300/CBP activity through chromatin-associated tRNA. *Molecular cell*, 85(24), 4526.

Li H, et al. (2025) Mechanistic study of N-acetyltransferase 10 deficiency enhancing olaparib sensitivity in triple negative breast cancer by inhibiting RAD51 N4-acetylcytidine modification. *iScience*, 28(7), 112860.

Cai L, et al. (2025) N-acetyltransferase 10 catalyzes RNA N4-acetylcytidine to regulate photosynthesis in rice. *Cell reports*, 44(3), 115428.

Chen JF, et al. (2025) An in vivo screen identifies NAT10 as a master regulator of brain metastasis. *Science advances*, 11(13), eads6021.

Thalalla Gamage S, et al. (2025) Transfer RNA acetylation regulates in vivo mammalian stress signaling. *Science advances*, 11(12), eads2923.

Wu X, et al. (2025) Temperature-responsive N4-acetylcytidine mRNA modification controls thermosensory flowering in Arabidopsis. *Developmental cell*.

Zou Y, et al. (2024) Targeting NAT10 inhibits osteosarcoma progression via ATF4/ASNS-mediated asparagine biosynthesis. *Cell reports. Medicine*, 5(9), 101728.

Wei W, et al. (2023) NAT10-mediated ac4C tRNA modification promotes EGFR mRNA translation and gefitinib resistance in cancer. *Cell reports*, 42(7), 112810.

Arango D, et al. (2022) Direct epitranscriptomic regulation of mammalian translation initiation through N4-acetylcytidine. *Molecular cell*, 82(15), 2797.

Tsai K, et al. (2020) Acetylation of Cytidine Residues Boosts HIV-1 Gene Expression by Increasing Viral RNA Stability. *Cell host & microbe*, 28(2), 306.