

Resource Summary Report

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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 [nidm-terms](#) .

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.

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

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.

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.