

Resource Summary Report

Generated by [RRID](#) on Aug 8, 2026

Mouse Anti-Histone H3, trimethyl (Lys4) Monoclonal Antibody, Unconjugated, Clone mAbcam 1012

RRID:AB_442796

Type: Antibody

Proper Citation

Abcam Cat# ab1012, RRID:AB_442796

Antibody Information

URL: http://antibodyregistry.org/AB_442796

Proper Citation: Abcam Cat# ab1012, RRID:AB_442796

Target Antigen: Histone H3 (tri methyl K4)

Host Organism: mouse

Clonality: monoclonal

Comments: validation status unknown, seller recommendations provided in 2012: Immunocytochemistry; Immunofluorescence; Immunoprecipitation; Western Blot; Chromatin IP, Immunocytochemistry, Immunofluorescence, Western Blot

Antibody Name: Mouse Anti-Histone H3, trimethyl (Lys4) Monoclonal Antibody, Unconjugated, Clone mAbcam 1012

Description: This monoclonal targets Histone H3 (tri methyl K4)

Target Organism: all

Clone ID: Clone mAbcam1012

Antibody ID: AB_442796

Vendor: Abcam

Catalog Number: ab1012

Record Creation Time: 20250820T014416+0000

Record Last Update: 20250820T114340+0000

Ratings and Alerts

No rating or validation information has been found for Mouse Anti-Histone H3, trimethyl (Lys4) Monoclonal Antibody, Unconjugated, Clone mAbcam 1012.

No alerts have been found for Mouse Anti-Histone H3, trimethyl (Lys4) Monoclonal Antibody, Unconjugated, Clone mAbcam 1012.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Xu M, et al. (2025) A fungal chromatin remodeler drives transcription by establishing an open chromatin architecture and activated histone environment. *Cell reports*, 44(9), 116169.

Roy SS, et al. (2024) Artificially inserted strong promoter containing multiple G-quadruplexes induces long-range chromatin modification. *eLife*, 13.

Chou MC, et al. (2023) PAICS ubiquitination recruits UBAP2 to trigger phase separation for purinosome assembly. *Molecular cell*, 83(22), 4123.

Swaffer MP, et al. (2023) RNA polymerase II dynamics and mRNA stability feedback scale mRNA amounts with cell size. *Cell*, 186(24), 5254.

Zhang X, et al. (2022) MLL5 is involved in retinal photoreceptor maturation through facilitating CRX-mediated photoreceptor gene transactivation. *iScience*, 25(4), 104058.

Kawakami R, et al. (2021) Distinct Foxp3 enhancer elements coordinate development, maintenance, and function of regulatory T cells. *Immunity*, 54(5), 947.

Sharma S, et al. (2021) Human telomerase is directly regulated by non-telomeric TRF2-G-quadruplex interaction. *Cell reports*, 35(7), 109154.

Clemens AW, et al. (2020) MeCP2 Represses Enhancers through Chromosome Topology-Associated DNA Methylation. *Molecular cell*, 77(2), 279.

Cordeiro B, et al. (2020) MicroRNA-9 Fine-Tunes Dendritic Cell Function by Suppressing Negative Regulators in a Cell-Type-Specific Manner. *Cell reports*, 31(5), 107585.

Shu S, et al. (2020) Synthetic Lethal and Resistance Interactions with BET Bromodomain Inhibitors in Triple-Negative Breast Cancer. *Molecular cell*, 78(6), 1096.

Wang S, et al. (2019) Epigenetic Compensation Promotes Liver Regeneration. *Developmental cell*, 50(1), 43.

Seruggia D, et al. (2019) TAF5L and TAF6L Maintain Self-Renewal of Embryonic Stem Cells via the MYC Regulatory Network. *Molecular cell*, 74(6), 1148.

Voichek Y, et al. (2018) Epigenetic Control of Expression Homeostasis during Replication Is Stabilized by the Replication Checkpoint. *Molecular cell*, 70(6), 1121.

Guo X, et al. (2018) A Linc1405/Eomes Complex Promotes Cardiac Mesoderm Specification and Cardiogenesis. *Cell stem cell*, 22(6), 893.

Hinohara K, et al. (2018) KDM5 Histone Demethylase Activity Links Cellular Transcriptomic Heterogeneity to Therapeutic Resistance. *Cancer cell*, 34(6), 939.

Dave K, et al. (2017) Mice deficient of Myc super-enhancer region reveal differential control mechanism between normal and pathological growth. *eLife*, 6.

Esnault C, et al. (2017) ERK-Induced Activation of TCF Family of SRF Cofactors Initiates a Chromatin Modification Cascade Associated with Transcription. *Molecular cell*, 65(6), 1081.