# Resource Summary Report

Generated by RRID on Aug 4, 2026

## Rabbit Anti-Histone H3, dimethyl (Lys36) Monoclonal Antibody, Unconjugated, Clone C75H12

RRID:AB_1030983
Type: Antibody

### Proper Citation

Cell Signaling Technology Cat# 2901, RRID:AB_1030983

### Antibody Information

**URL:** http://antibodyregistry.org/AB_1030983

**Proper Citation:** Cell Signaling Technology Cat# 2901, RRID:AB_1030983

**Target Antigen:** Histone H3, dimethyl (Lys36)

**Host Organism:** rabbit

**Clonality:** monoclonal

**Comments:** Applications: W, IHC-P, IF-IC, F. Consolidation on 10/2018: AB_10287336, AB_1030983, AB_10310188.
Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE

**Antibody Name:** Rabbit Anti-Histone H3, dimethyl (Lys36) Monoclonal Antibody, Unconjugated, Clone C75H12

**Description:** This monoclonal targets Histone H3, dimethyl (Lys36)

**Target Organism:** monkey, rat, simian, mouse, human

**Clone ID:** Clone C75H12

**Antibody ID:** AB_1030983

**Vendor:** Cell Signaling Technology

**Catalog Number:** 2901

**Record Creation Time:** 20250820T065454+0000

**Record Last Update:** 20250821T011157+0000

## Ratings and Alerts

- Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE - NYU Langone's Center for Biospecimen Research and Development https://med.nyu.edu/research/scientific-cores-shared-resources/center-biospecimen-research-development

No alerts have been found for Rabbit Anti-Histone H3, dimethyl (Lys36) Monoclonal Antibody, Unconjugated, Clone C75H12.

## Data and Source Information

**Source:** Antibody Registry

## Usage and Citation Metrics

We found 18 mentions in open access literature.

**Listed below are recent publications.** The full list is available at RRID .

Gökbuget D, et al. (2025) KMT2C/KMT2D-dependent H3K4me1 mediates changes in DNA replication timing and origin activity during a cell fate transition. Cell reports, 44(2), 115272.

Moreno Rueda LY, et al. (2025) Single-cell analysis of neoplastic plasma cells identifies myeloma pathobiology mediators and potential targets. Cell reports. Medicine, 6(2), 101925.

Zhang Q, et al. (2024) EZH2/G9a interact to mediate drug resistance in non-small-cell lung cancer by regulating the SMAD4/ERK/c-Myc signaling axis. Cell reports, 43(2), 113714.

Liu H, et al. (2024) Enforced activation of the CREB/KDM2B axis prevents alcohol-induced embryonic developmental delay. Cell reports, 43(12), 115075.

Hamagami N, et al. (2023) NSD1 deposits histone H3 lysine 36 dimethylation to pattern non-CG DNA methylation in neurons. Molecular cell, 83(9), 1412.

Gong M, et al. (2023) Transcriptional and metabolic programs promote the expansion of follicular helper T cells in lupus-prone mice. iScience, 26(5), 106774.

Hamagami N, et al. (2023) NSD1 deposits histone H3 lysine 36 dimethylation to pattern non-CG DNA methylation in neurons. bioRxiv : the preprint server for biology.

Fang L, et al. (2023) Methionine restriction promotes cGAS activation and chromatin untethering through demethylation to enhance antitumor immunity. Cancer cell, 41(6), 1118.

Zheng Y, et al. (2023) Histone methylation mediated by NSD1 is required for the establishment and maintenance of neuronal identities. Cell reports, 42(12), 113496.

Xu Y, et al. (2022) The KRAS-G12D mutation induces metabolic vulnerability in B-cell acute lymphoblastic leukemia. iScience, 25(3), 103881.

Harpaz N, et al. (2022) Single-cell epigenetic analysis reveals principles of chromatin states in H3.3-K27M gliomas. Molecular cell, 82(14), 2696.

Li Y, et al. (2022) Histone methylation antagonism drives tumor immune evasion in squamous cell carcinomas. Molecular cell, 82(20), 3901.

Farhangdoost N, et al. (2021) Chromatin dysregulation associated with NSD1 mutation in head and neck squamous cell carcinoma. Cell reports, 34(8), 108769.

Yan R, et al. (2021) Decoding dynamic epigenetic landscapes in human oocytes using single-cell multi-omics sequencing. Cell stem cell, 28(9), 1641.

Chaouch A, et al. (2021) Histone H3.3 K27M and K36M mutations de-repress transposable elements through perturbation of antagonistic chromatin marks. Molecular cell, 81(23), 4876.

Harutyunyan AS, et al. (2020) H3K27M in Gliomas Causes a One-Step Decrease in H3K27 Methylation and Reduced Spreading within the Constraints of H3K36 Methylation. Cell reports, 33(7), 108390.

Li Q, et al. (2018) Bisphenol A and Phthalates Modulate Peritoneal Macrophage Function in Female Mice Involving SYMD2-H3K36 Dimethylation. Endocrinology, 159(5), 2216.

Streubel G, et al. (2018) The H3K36me2 Methyltransferase Nsd1 Demarcates PRC2-Mediated H3K27me2 and H3K27me3 Domains in Embryonic Stem Cells. Molecular cell, 70(2), 371.