

# Resource Summary Report

Generated by [NIF](#) on Sep 10, 2026

## Rabbit Anti-Histone H3, trimethyl (Lys27) Polyclonal antibody, Unconjugated

RRID:AB\_310624

Type: Antibody

### Proper Citation

Millipore Cat# 07-449, RRID:AB\_310624

### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_310624](http://antibodyregistry.org/AB_310624)

**Proper Citation:** Millipore Cat# 07-449, RRID:AB\_310624

**Target Antigen:** Histone H3, trimethyl (Lys27)

**Host Organism:** rabbit

**Clonality:** polyclonal

**Comments:** Validated for Fly by Xia et al 2016 10.18632/aging.101107; seller recommendations: Blocking/Neutralize; Functional Assay; Immunocytochemistry; Immunoprecipitation; Other; Western Blot; Western Blotting, Immunocytochemistry

**Antibody Name:** Rabbit Anti-Histone H3, trimethyl (Lys27) Polyclonal antibody, Unconjugated

**Description:** This polyclonal targets Histone H3, trimethyl (Lys27)

**Target Organism:** mouse, human

**Defining Citation:** [PMID:27889707](#)

**Antibody ID:** AB\_310624

**Vendor:** Millipore

**Catalog Number:** 07-449

**Record Creation Time:** 20231110T044942+0000

**Record Last Update:** 20260829T031908+0000

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## Ratings and Alerts

- ENCODE PROJECT External validation for lot: Unknown is available under ENCODE ID: ENCAB000AUP - ENCODE <https://www.encodeproject.org/antibodies/ENCAB000AUP>

No alerts have been found for Rabbit Anti-Histone H3, trimethyl (Lys27) Polyclonal antibody, Unconjugated.

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 238 mentions in open access literature.

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

Zhou Y, et al. (2026) ERK1/2 function as a central hub safeguarding primed human embryonic stem cell identity via multifaceted regulatory networks. Cell reports, 45(7), 117675.

Etoh K, et al. (2026) FOXF1/2 establish a senescence-specific enhancer landscape to activate the pro-inflammatory senescence-associated secretory phenotype. Molecular cell, 86(8), 1441.

Rouco R, et al. (2026) Temporal constraints on enhancer usage shape the regulation of limb gene transcription. Nature communications, 17(1), 5.

Zhang MS, et al. (2026) BCAT1-dependent HIF-1 $\alpha$  stabilization is a targetable metabolic vulnerability in hepatocellular carcinoma. Cell reports. Medicine, 7(5), 102784.

Chen H, et al. (2026) Genome-wide rotational and translational phasing of nucleosomes with human transcription factors. Molecular cell, 86(14), 2722.

Caire R, et al. (2026) A 3D morphogenetic blueprint for metastatic outgrowth in breast cancer. Cell, 189(12), 3701.

Kouille A, et al. (2026) The chromatin remodeller CHD4 regulates transcription factor binding to both prevent activation of silent enhancers and maintain active regulatory elements. eLife, 14.

Zhang J, et al. (2025) Thymic dendritic cell-derived IL-27p28 promotes the establishment of functional bias against IFN- $\gamma$  production in newly generated CD4 $^{+}$  T cells through STAT1-related epigenetic mechanisms. eLife, 13.

Ramponi V, et al. (2025) H4K20me3-Mediated Repression of Inflammatory Genes Is a Characteristic and Targetable Vulnerability of Persister Cancer Cells. Cancer research,

85(1), 32.

Cai S, et al. (2025) Methionine regulates maternal-fetal immune tolerance and endometrial receptivity by enhancing embryonic IL-5 secretion. *Cell reports*, 44(2), 115291.

Matthews RE, et al. (2025) CRAMP1 drives linker histone expression to enable Polycomb repression. *Molecular cell*, 85(13), 2503.

Zhu X, et al. (2025) Menin orchestrates macrophage reprogramming to maintain the pulmonary immune homeostasis. *Cell reports*, 44(1), 115219.

Fujii T, et al. (2025) Reconstructing epigenomic dynamics through a single-cell multi-genome data integration framework. *Nature communications*, 16(1), 11006.

Li J, et al. (2025) Ribosome dysregulation and intervention in age-related infertility. *Cell reports. Medicine*, 6(11), 102424.

Žukauskaitė D, et al. (2025) Evaluating endometrial response to human chorionic gonadotropin: alterations in epigenetic regulation and extracellular vesicle cargo of endometrial stromal cells. *Human reproduction open*, 2025(3), hoaf051.

Dzwigonska M, et al. (2025) Hypoxic stress dysregulates functions of glioma-associated myeloid cells through epigenomic and transcriptional programs. *Cell reports*, 44(9), 116222.

Zobel M, et al. (2025) A human CAGinSTEM platform for decoding HTT repeats' somatic instability links CAG interruption to HD pathology in neurons. *Cell reports*, 44(12), 116685.

Nakatani T, et al. (2025) RIF1 controls replication timing in early mouse embryos independently of lamina-associated nuclear organization. *Developmental cell*, 60(16), 2149.

Kumar B, et al. (2025) Multiplexed chromatin immunoprecipitation sequencing for quantitative study of histone modifications and chromatin factors. *Nature protocols*, 20(3), 779.

Gasparini P, et al. (2025) Germline-somatic liaison dictates cancer subtype via de novo steroid biosynthesis. *Cancer discovery*.