

Resource Summary Report

Generated by [RRID](#) on Sep 11, 2026

Lactyl-Histone H3 (Lys18) Rabbit mAb

RRID:AB_2909438

Type: Antibody

Proper Citation

(PTM BIO Cat# PTM-1406RM, RRID:AB_2909438)

Antibody Information

URL: http://antibodyregistry.org/AB_2909438

Proper Citation: (PTM BIO Cat# PTM-1406RM, RRID:AB_2909438)

Target Antigen: Lactyl-Histone H3 (Lys18)

Host Organism: rabbit

Clonality: recombinant monoclonal

Comments: Applications: ICC/IF, IHC-P, IP, WB

Antibody Name: Lactyl-Histone H3 (Lys18) Rabbit mAb

Description: This recombinant monoclonal targets Lactyl-Histone H3 (Lys18)

Target Organism: rat, mouse, human

Antibody ID: AB_2909438

Vendor: PTM BIO

Catalog Number: PTM-1406RM

Record Creation Time: 20260311T190851+0000

Record Last Update: 20260828T175943+0000

Ratings and Alerts

No rating or validation information has been found for Lactyl-Histone H3 (Lys18) Rabbit mAb.

No alerts have been found for Lactyl-Histone H3 (Lys18) Rabbit mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Ying X, et al. (2026) m5C-Modified tRF3b-CysGCA-23 Suppresses Bladder Cancer Malignancy by Repressing H3K18 Lactylation via Stabilizing RBM4. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(26), e22294.

Wang X, et al. (2026) Histone lactylation-driven intratumoral IGFBP2+ NK cells promote tumor immune evasion. *Cell reports*, 45(7), 117612.

Su G, et al. (2026) SIRT6-mediated immunometabolic reprogramming of macrophages drives neutrophilic asthma via LDHA-dependent glycolysis. *Cell reports*, 45(5), 117294.

Chen S, et al. (2026) Targeting KIF20A blocks lactylation modification to suppress immune escape in hepatocellular carcinoma. *iScience*, 29(4), 115372.

Li Z, et al. (2025) Lactate shuttling links histone lactylation to adult hippocampal neurogenesis in mice. *Developmental cell*, 60(8), 1182.

Yang Q, et al. (2025) Lactate regulates cell differentiation of erythroid progenitor cells via histone lactylation modification. *iScience*, 28(7), 112842.

Liu R, et al. (2025) Nuclear GTPSCS functions as a lactyl-CoA synthetase to promote histone lactylation and gliomagenesis. *Cell metabolism*, 37(2), 377.

Ziogas A, et al. (2025) Long-term histone lactylation connects metabolic and epigenetic rewiring in innate immune memory. *Cell*, 188(11), 2992.

Ge X, et al. (2025) Metabolic reprogramming through histone lactylation in microglia and macrophages recruits CD8+ T lymphocytes and aggravates spinal cord injury. *Neuron*, 113(14), 2280.

Du R, et al. (2024) Sirtuin 1/sirtuin 3 are robust lysine delactylases and sirtuin 1-mediated delactylation regulates glycolysis. *iScience*, 27(10), 110911.

Li XM, et al. (2024) Histone lactylation inhibits RAR γ expression in macrophages to promote colorectal tumorigenesis through activation of TRAF6-IL-6-STAT3 signaling. *Cell reports*, 43(2), 113688.

Wang Y, et al. (2024) BACH1 changes microglial metabolism and affects astrogenesis during mouse brain development. *Developmental cell*, 59(1), 108.

Zhu R, et al. (2024) ACSS2 acts as a lactyl-CoA synthetase and couples KAT2A to function as a lactyltransferase for histone lactylation and tumor immune evasion. *Cell*

metabolism.

Zang Y, et al. (2024) Hypoxia promotes histone H3K9 lactylation to enhance LAMC2 transcription in esophageal squamous cell carcinoma. *iScience*, 27(7), 110188.

Lin X, et al. (2024) Augmentation of scleral glycolysis promotes myopia through histone lactylation. *Cell metabolism*, 36(3), 511.

Zhang Y, et al. (2024) Macrophage MCT4 inhibition activates reparative genes and protects from atherosclerosis by histone H3 lysine 18 lactylation. *Cell reports*, 43(5), 114180.

Shi W, et al. (2024) Lactic acid induces transcriptional repression of macrophage inflammatory response via histone acetylation. *Cell reports*, 43(2), 113746.

He Y, et al. (2023) Numb/Parkin-directed mitochondrial fitness governs cancer cell fate via metabolic regulation of histone lactylation. *Cell reports*, 42(2), 112033.

Zhao W, et al. (2023) Progesterone Activates the Histone Lactylation-Hif1 α -glycolysis Feedback Loop to Promote Decidualization. *Endocrinology*, 165(1).

Rho H, et al. (2023) Hexokinase 2-mediated gene expression via histone lactylation is required for hepatic stellate cell activation and liver fibrosis. *Cell metabolism*, 35(8), 1406.