

Resource Summary Report

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

Anti-L-Lactyl-Histone H3 (Lys18) Rabbit mAb-ChIP Grade

RRID:AB_3076698

Type: Antibody

Proper Citation

(PTM BIO Cat# PTM-1427RM, RRID:AB_3076698)

Antibody Information

URL: http://antibodyregistry.org/AB_3076698

Proper Citation: (PTM BIO Cat# PTM-1427RM, RRID:AB_3076698)

Target Antigen: L-Lactyl-Histone H3 (Lys18)

Host Organism: rabbit

Clonality: recombinant monoclonal

Antibody Name: Anti-L-Lactyl-Histone H3 (Lys18) Rabbit mAb-ChIP Grade

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

Target Organism: mouse, human

Antibody ID: AB_3076698

Vendor: PTM BIO

Catalog Number: PTM-1427RM

Record Creation Time: 20260311T190914+0000

Record Last Update: 20260828T175951+0000

Ratings and Alerts

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

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

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 [RRID](#) .

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

Xie X, et al. (2026) Bisphenol A Promotes Ovarian Cancer Proliferation and Migration through the HK2/H3K18la/IGF2BP3 Sequential Regulatory Axis. Journal of agricultural and food chemistry, 74(13), 11132.

Zou X, et al. (2026) PRC1 promotes MAFLD progression by regulating glycolysis/lactylation axis and forming a positive feedback loop. The Journal of nutritional biochemistry, 154, 110378.

Zhang H, et al. (2026) Lactate-driven H3K18 lactylation promotes cisplatin resistance in bladder cancer via HNRNPF-Parkin mediated mitophagy. Drug resistance updates : reviews and commentaries in antimicrobial and anticancer chemotherapy, 88, 101435.

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

Zhang Z, et al. (2026) BRD3 PROTAC degrader targets H3K18ac to alleviate retinal microglia-driven uveitis. iScience, 29(2), 114526.

Savy V, et al. (2025) Calcium signals shape metabolic control of H3K27ac and H3K18la to regulate EGA. bioRxiv : the preprint server for biology.

Yang Y, et al. (2025) H3K18 lactylation potentiates microglial polarization via the TLR4 pathway in diabetes-induced cognitive impairment. JCI insight, 10(24).

Li J, et al. (2025) A CD147-targeted small-molecule inhibitor potentiates gemcitabine efficacy by triggering ferroptosis in pancreatic ductal adenocarcinoma. Cell reports. Medicine, 6(8), 102292.

Yang Y, et al. (2025) H4K12 lactylation potentiates mitochondrial oxidative stress via the Foxo1 pathway in diabetes-induced cognitive impairment. Journal of advanced research.

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

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

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.

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*.