

Resource Summary Report

Generated by [RRID](#) on Aug 3, 2026

Rabbit Anti-LDHA Monoclonal Antibody, Unconjugated, Clone C4B5

RRID:AB_2066887

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 3582, RRID:AB_2066887

Antibody Information

URL: http://antibodyregistry.org/AB_2066887

Proper Citation: Cell Signaling Technology Cat# 3582, RRID:AB_2066887

Target Antigen: LDHA

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IHC-P, IF-IC

Antibody Name: Rabbit Anti-LDHA Monoclonal Antibody, Unconjugated, Clone C4B5

Description: This monoclonal targets LDHA

Target Organism: monkey, simian, human

Clone ID: Clone C4B5

Antibody ID: AB_2066887

Vendor: Cell Signaling Technology

Catalog Number: 3582

Record Creation Time: 20250820T005526+0000

Record Last Update: 20250820T093351+0000

Ratings and Alerts

No rating or validation information has been found for Rabbit Anti-LDHA Monoclonal Antibody, Unconjugated, Clone C4B5.

No alerts have been found for Rabbit Anti-LDHA Monoclonal Antibody, Unconjugated, Clone C4B5.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 43 mentions in open access literature.

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

MacMillan AC, et al. (2025) PRPS activity tunes redox homeostasis in Myc-driven lymphoma. *Redox biology*, 84, 103649.

Dreute J, et al. (2025) Synergistic targeting of cancer cells through simultaneous inhibition of key metabolic enzymes. *Cell death and differentiation*.

Liu M, et al. (2025) CDK1-mediated phosphorylation of LDHA fuels mitosis through LDHB-dependent lactate oxidation. *EMBO reports*.

Yang Z, et al. (2025) Hypoxia inducible factor-1 α drives cancer resistance to cuproptosis. *Cancer cell*, 43(5), 937.

Koundouros N, et al. (2025) Direct sensing of dietary ω -6 linoleic acid through FABP5-mTORC1 signaling. *Science (New York, N.Y.)*, 387(6739), eadm9805.

Zhou S, et al. (2025) Indole-3-lactic acid suppresses colorectal cancer via metabolic reprogramming. *Gut microbes*, 17(1), 2508949.

Masin L, et al. (2024) Local glycolysis supports injury-induced axonal regeneration. *The Journal of cell biology*, 223(12).

Chen L, et al. (2024) Palmitoylation alters LDHA activity and pancreatic cancer response to chemotherapy. *Cancer letters*, 587, 216696.

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*.

Ravi D, et al. (2024) Deciphering the Metabolic Basis and Molecular Circuitry of the Warburg Paradox in Lymphoma. *Cancers*, 16(21).

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

Yu X, et al. (2024) Acetyl-CoA metabolism maintains histone acetylation for syncytialization of human placental trophoblast stem cells. *Cell stem cell*, 31(9), 1280.

Guo F, et al. (2024) Sevoflurane acts as an antidepressant by suppression of GluN2D-containing NMDA receptors on interneurons. *British journal of pharmacology*, 181(18), 3483.

Liu B, et al. (2024) Distinctive multicellular immunosuppressive hubs confer different intervention strategies for left- and right-sided colon cancers. *Cell reports. Medicine*, 5(6), 101589.

Farook MR, et al. (2024) Loss of mitochondrial pyruvate carrier 1 supports proline-dependent proliferation and collagen biosynthesis in ovarian cancer. *Molecular metabolism*, 81, 101900.

Zukowski E, et al. (2023) STAT3 modulates CD4+ T mitochondrial dynamics and function in aging. *Aging cell*, 22(11), e13996.

Ghosh D, et al. (2023) Ets1 facilitates EMT/invasion through Drp1-mediated mitochondrial fragmentation in ovarian cancer. *iScience*, 26(9), 107537.

Li X, et al. (2023) Ultrasensitive sensors reveal the spatiotemporal landscape of lactate metabolism in physiology and disease. *Cell metabolism*, 35(1), 200.

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.

Chaves A, et al. (2022) Influence of Maternal Exercise on Glucose and Lipid Metabolism in Offspring Stem Cells: ENHANCED by Mom. *The Journal of clinical endocrinology and metabolism*, 107(8), e3353.