

Resource Summary Report

Generated by [dkNET](#) on Aug 17, 2026

Anti-Pyruvate Dehydrogenase E1-alpha subunit (phospho S293) antibody

RRID:AB_2756339

Type: Antibody

Proper Citation

Abcam Cat# ab177461, RRID:AB_2756339

Antibody Information

URL: http://antibodyregistry.org/AB_2756339

Proper Citation: Abcam Cat# ab177461, RRID:AB_2756339

Target Antigen: Pyruvate Dehydrogenase E1-alpha subunit

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: WB, IHC-P, IP, ELISA

Antibody Name: Anti-Pyruvate Dehydrogenase E1-alpha subunit (phospho S293) antibody

Description: This monoclonal targets Pyruvate Dehydrogenase E1-alpha subunit

Target Organism: rat, mouse, human

Antibody ID: AB_2756339

Vendor: Abcam

Catalog Number: ab177461

Record Creation Time: 20250819T231018+0000

Record Last Update: 20250820T043042+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Pyruvate Dehydrogenase E1-alpha subunit (phospho S293) antibody.

No alerts have been found for Anti-Pyruvate Dehydrogenase E1-alpha subunit (phospho S293) antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Liu G, et al. (2025) Mitochondrial Calcium Uniporter Links Acetyl-CoA Metabolism and H3K27 Acetylation to Maintain Glioblastoma Stem Cells. *Cancer research*, 85(18), 3416.

Uda M, et al. (2024) Effects of hindlimb unloading on the mevalonate and mechanistic target of rapamycin complex 1 signaling pathways in a fast-twitch muscle in rats. *Physiological reports*, 12(5), e15969.

Grepper D, et al. (2024) BCL2L13 at endoplasmic reticulum-mitochondria contact sites regulates calcium homeostasis to maintain skeletal muscle function. *iScience*, 27(8), 110510.

Soro-Arnáiz I, et al. (2024) GLUD1 determines murine muscle stem cell fate by controlling mitochondrial glutamate levels. *Developmental cell*, 59(21), 2850.

Aizawa E, et al. (2023) Epigenetic regulation limits competence of pluripotent stem cell-derived oocytes. *The EMBO journal*, 42(23), e113955.

Koppel SJ, et al. (2023) γ -Hydroxybutyrate preferentially enhances neuron over astrocyte respiration while signaling cellular quiescence. *Mitochondrion*, 68, 125.

Lu V, et al. (2022) Glutamine-dependent signaling controls pluripotent stem cell fate. *Developmental cell*, 57(5), 610.

Park S, et al. (2022) Transcription factors TEAD2 and E2A globally repress acetyl-CoA synthesis to promote tumorigenesis. *Molecular cell*, 82(22), 4246.

Seegren PV, et al. (2020) Mitochondrial Ca²⁺ Signaling Is an Electrometabolic Switch to Fuel Phagosome Killing. *Cell reports*, 33(8), 108411.

Ou Z, et al. (2019) A GPR17-cAMP-Lactate Signaling Axis in Oligodendrocytes Regulates Whole-Body Metabolism. *Cell reports*, 26(11), 2984.

Bellio C, et al. (2019) The Metabolic Inhibitor CPI-613 Negates Treatment Enrichment of Ovarian Cancer Stem Cells. *Cancers*, 11(11).