

Resource Summary Report

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

Rabbit Anti-AMPK-alpha, phospho (Thr172) Monoclonal Antibody, Unconjugated, Clone 40H9

RRID:AB_331250

Type: Antibody

Proper Citation

(Cell Signaling Technology Cat# 2535, RRID:AB_331250)

Antibody Information

URL: http://antibodyregistry.org/AB_331250

Proper Citation: (Cell Signaling Technology Cat# 2535, RRID:AB_331250)

Target Antigen: AMPK-alpha, phospho (Thr172)

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IP, IHC-P. Consolidation: AB_331251, AB_10104711.

Antibody Name: Rabbit Anti-AMPK-alpha, phospho (Thr172) Monoclonal Antibody, Unconjugated, Clone 40H9

Description: This monoclonal targets AMPK-alpha, phospho (Thr172)

Target Organism: monkey, rat, hamster, mouse, human

Clone ID: Clone 40H9

Antibody ID: AB_331250

Vendor: Cell Signaling Technology

Catalog Number: 2535

Alternative Catalog Numbers: 2535P, 2535S, 2535L

Record Creation Time: 20260422T220553+0000

Record Last Update: 20260513T213714+0000

Ratings and Alerts

No rating or validation information has been found for Rabbit Anti-AMPK-alpha, phospho (Thr172) Monoclonal Antibody, Unconjugated, Clone 40H9.

No alerts have been found for Rabbit Anti-AMPK-alpha, phospho (Thr172) Monoclonal Antibody, Unconjugated, Clone 40H9.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 438 mentions in open access literature.

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

Sharma AK, et al. (2026) DGAT-driven futile lipid cycling has a pronounced, yet concealed, thermogenic function. *Cell metabolism*.

Mao Y, et al. (2026) AMPK γ 2 signals amino acid insufficiency to inhibit protein synthesis. *Cell metabolism*, 38(1), 192.

Marini C, et al. (2026) The pivotal role of endoplasmic reticulum in cancer glucose metabolism. *iScience*, 29(1), 114503.

Wang Y, et al. (2026) Chitosan alleviates symptoms of Parkinson's disease by reducing acetate levels, which decreases inflammation and promotes repair of the intestinal barrier and blood-brain barrier. *Neural regeneration research*, 21(1), 377.

Chen YL, et al. (2026) Endometrial stromal cell-derived TMAO sustains decidualization to prevent recurrent spontaneous abortion. *Cell metabolism*.

Trushin S, et al. (2025) Therapeutic assessment of a novel mitochondrial complex I inhibitor in in vitro and in vivo models of Alzheimer's disease. *bioRxiv : the preprint server for biology*.

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

Wei SJ, et al. (2025) Divergent sex-specific effects on a ketogenic diet: Male, but not female, mice exhibit oxidative stress and cellular senescence. *Cell reports*, 44(8), 116026.

Yu H, et al. (2025) Energy status orchestrates YTHDF1 phase separation and tumorigenesis. *Cell reports*, 44(11), 116466.

Trushin S, et al. (2025) Therapeutic assessment of a novel mitochondrial complex I inhibitor in in vitro and in vivo models of Alzheimer's disease. *EBioMedicine*, 120, 105924.

Luo W, et al. (2025) Perfluoropentane-based oxygen-loaded nanodroplets reduce microglial activation through metabolic reprogramming. *Neural regeneration research*, 20(4), 1178.

Park JH, et al. (2025) Biguanides antithetically regulate tumor properties by the dose-dependent mitochondrial reprogramming-driven c-Src pathway. *Cell reports. Medicine*, 6(2), 101941.

Zhou Y, et al. (2025) Myosin-actin pattern links matrix stiffness to GFAT2-hyaluronan metabolism. *Materials today. Bio*, 35, 102305.

Lin C, et al. (2025) Cholesterol metabolism regulated by CAMKK2-CREB signaling promotes castration-resistant prostate cancer. *Cell reports*, 44(6), 115792.

Miro C, et al. (2025) Leptin enhances the intracellular thyroid hormone activation in skeletal muscle to boost energy balance. *Cell metabolism*, 37(4), 936.

Cheng C, et al. (2025) Dual roles of TRPV2 in the innate immune response to cytosolic DNA: Arresting dormant and boosting activated STING. *Cell reports*, 45(1), 116745.

Miao Z, et al. (2025) Roseburia hominis enriched by baicalin reverses the non-response to metformin via upregulating linolenic acid metabolism. *iScience*, 28(11), 113892.

Kawahara N, et al. (2025) Inhibition of glycolysis and stimulation of mitochondrial biogenesis lead to increased ROS levels and cell death in HNF-1 β positive clear cell carcinoma. *Cell death & disease*, 16(1), 879.

Tang D, et al. (2025) Augment proteasome inhibitor efficacy activates CD8⁺ T cell-mediated antitumor immunity in breast cancer. *Cell reports. Medicine*, 6(7), 102211.

Parker RE, et al. (2025) High PER1 expression is associated with STK11 mutation and clinical biomarkers of immunotherapy resistance in lung adenocarcinoma. *Journal of cancer research and clinical oncology*, 151(7), 223.