

Resource Summary Report

Generated by ASWG on Aug 10, 2026

Phospho-AMPK? (Thr172) (D4D6D) Rabbit mAb

RRID:AB_2799368

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 50081, RRID:AB_2799368

Antibody Information

URL: http://antibodyregistry.org/AB_2799368

Proper Citation: Cell Signaling Technology Cat# 50081, RRID:AB_2799368

Target Antigen: Phospho-AMPK? (Thr172)

Host Organism: rabbit

Clonality: recombinant monoclonal

Comments: Applications: WB, W-S, IP, IHC-P

Antibody Name: Phospho-AMPK? (Thr172) (D4D6D) Rabbit mAb

Description: This recombinant monoclonal targets Phospho-AMPK? (Thr172)

Target Organism: rat, mouse, human

Clone ID: Clone D4D6D

Antibody ID: AB_2799368

Vendor: Cell Signaling Technology

Catalog Number: 50081

Record Creation Time: 20250820T000429+0000

Record Last Update: 20250820T071736+0000

Ratings and Alerts

No rating or validation information has been found for Phospho-AMPK? (Thr172) (D4D6D) Rabbit mAb.

No alerts have been found for Phospho-AMPK? (Thr172) (D4D6D) Rabbit mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 37 mentions in open access literature.

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

Lo CH, et al. (2026) Mechanistic Language Modeling and Oxygenated 3D Screening Reveal Berberine and Enzalutamide Synergy in Resistant Prostate Cancer. bioRxiv : the preprint server for biology.

Assi M, et al. (2026) Extracellular matrix sensing regulates intratumoral heterogeneity of autophagic flux. Cell, 189(6), 1731.

Zhou Y, et al. (2026) Hormetic fasting extends Caenorhabditis elegans lifespan via H3K27 acetylation of lipid catabolism and antioxidant genes. Cell reports, 45(6), 117518.

Guo Q, et al. (2026) Human GBP4 promotes TRIM21-BIP-dependent autophagy to restrict M. tuberculosis infection by preventing SORT1-mediated progranulin degradation. Cell reports, 45(8), 117739.

Wu MM, et al. (2026) Macrophage PD-1 regulates energy expenditure and metabolic dysfunction under immune checkpoint blockade. Cell metabolism, 38(1), 208.

Zhou Y, et al. (2025) The nuclear pore complex connects energy sensing to transcriptional plasticity in longevity. Molecular cell, 85(19), 3605.

Patil NY, et al. (2025) Cinnabarinic acid protects against metabolic dysfunction-associated steatohepatitis by activating aryl hydrocarbon receptor-dependent AMPK signaling. American journal of physiology. Gastrointestinal and liver physiology, 328(4), G433.

Wimer LA, et al. (2025) Glycation-lowering compounds inhibit ghrelin signaling to reduce food intake, lower insulin resistance, and extend lifespan. Cell reports, 44(10), 116422.

Zhou Y, et al. (2025) The nuclear pore complex connects energy sensing to transcriptional plasticity in longevity. bioRxiv : the preprint server for biology.

Song L, et al. (2025) Meteorin-like alleviates hepatic steatosis by regulating hepatic triglyceride secretion and fatty acid oxidation. Cell reports, 44(2), 115246.

Zhang WG, et al. (2025) Tomatidine Ameliorates Diabetes-Induced Cognitive Impairment and Tau Hyperphosphorylation Through the AMPK-TFEB Pathway. Journal of neurochemistry, 169(5), e70087.

Huber LS, et al. (2025) Deletion of ABIN1-LIR motifs impairs hepatic lipid homeostasis and mitophagy via AMPK-TFEB axis in mice. American journal of physiology. Cell

physiology, 329(5), C1360.

Peng P, et al. (2024) Pro-survival signaling regulates lipophagy essential for multiple myeloma resistance to stress-induced death. *Cell reports*, 43(7), 114445.

Cordova RA, et al. (2024) Coordination between the eIF2 kinase GCN2 and p53 signaling supports purine metabolism and the progression of prostate cancer. *Science signaling*, 17(864), eadp1375.

Tan B, et al. (2024) Endothelial progenitor cells control remodeling of uterine spiral arteries for the establishment of utero-placental circulation. *Developmental cell*, 59(14), 1842.

Qiao X, et al. (2024) Beyond mitochondrial transfer, cell fusion rescues metabolic dysfunction and boosts malignancy in adenoid cystic carcinoma. *Cell reports*, 43(9), 114652.

Ryan PJ, et al. (2024) The autophagy inhibitor NSC185058 suppresses mTORC1-mediated protein anabolism in cultured skeletal muscle. *Scientific reports*, 14(1), 8094.

Ma J, et al. (2023) CD226 maintains regulatory T cell phenotype stability and metabolism by the mTOR/Myc pathway under inflammatory conditions. *Cell reports*, 42(10), 113306.

Meyers AK, et al. (2023) Pyruvate dehydrogenase kinase supports macrophage NLRP3 inflammasome activation during acute inflammation. *Cell reports*, 42(1), 111941.

Li L, et al. (2023) Resolvin D1 reprograms energy metabolism to promote microglia to phagocytize neutrophils after ischemic stroke. *Cell reports*, 42(6), 112617.