

Resource Summary Report

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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 [dkNET](#) .

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

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*.

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.