Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Mar 30, 2025

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: 20231110T044857+0000

Record Last Update: 20241115T100838+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 396 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

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

Freire-Agulleiro Ó, et al. (2025) SF1-specific deletion of the energy sensor AMPK?2 induces obesity. Molecular metabolism, 92, 102091.

Fondevila MF, et al. (2024) p63 controls metabolic activation of hepatic stellate cells and fibrosis via an HER2-ACC1 pathway. Cell reports. Medicine, 5(2), 101401.

Benjaskulluecha S, et al. (2024) O6-methylguanine DNA methyltransferase regulates ?-glucan-induced trained immunity of macrophages via farnesoid X receptor and AMPK. iScience, 27(1), 108733.

Schneider C, et al. (2024) A Novel AMPK Inhibitor Sensitizes Pancreatic Cancer Cells to Ferroptosis Induction. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(31), e2307695.

Zhu M, et al. (2024) PKD1 mutant clones within cirrhotic livers inhibit steatohepatitis without promoting cancer. Cell metabolism, 36(8), 1711.

Prifti KK, et al. (2024) Obese mice have decreased uterine contractility and altered energy metabolism in the uterus at term gestation†. Biology of reproduction, 111(3), 678.

Benzarti M, et al. (2024) PKM2 diverts glycolytic flux in dependence on mitochondrial one-

carbon cycle. Cell reports, 43(3), 113868.

Sun F, et al. (2024) AdipoRon promotes amyloid-? clearance through enhancing autophagy via nuclear GAPDH-induced sirtuin 1 activation in Alzheimer's disease. British journal of pharmacology, 181(17), 3039.

Zhao J, et al. (2024) AP39 through AMPK-ULK1-FUNDC1 pathway regulates mitophagy, inhibits pyroptosis, and improves doxorubicin-induced myocardial fibrosis. iScience, 27(4), 109321.

Li W, et al. (2024) The clinical antiprotozoal drug nitazoxanide and its metabolite tizoxanide extend Caenorhabditis elegans lifespan and healthspan. Acta pharmaceutica Sinica. B, 14(7), 3266.

Sharma S, et al. (2024) Calcium level and autophagy defect in GNE mutants of rare neuromuscular disorder. Cell biology international.

Qu Q, et al. (2024) Lithocholic acid phenocopies anti-ageing effects of calorie restriction. Nature.

Yamagishi A, et al. (2024) AMP-activated protein kinase in the amygdala and hippocampus contributes to enhanced fear memory in diabetic mice. British journal of pharmacology.

Carapeto P, et al. (2024) Exercise activates AMPK in mouse and human pancreatic islets to decrease senescence. Nature metabolism, 6(10), 1976.

Gallage S, et al. (2024) A 5:2 intermittent fasting regimen ameliorates NASH and fibrosis and blunts HCC development via hepatic PPAR? and PCK1. Cell metabolism, 36(6), 1371.

Bjornson KJ, et al. (2024) Increased regional activity of a pro-autophagy pathway in schizophrenia as a contributor to sex differences in the disease pathology. Cell reports. Medicine, 5(7), 101652.

Lim JS, et al. (2024) Energy?stress?mediated activation of AMPK sensitizes MPS1 kinase inhibition in triple?negative breast cancer. Oncology reports, 52(2).

Vanhoutte D, et al. (2024) Thbs1 regulates skeletal muscle mass in a TGF?-Smad2/3-ATF4-dependent manner. Cell reports, 43(5), 114149.

Longo M, et al. (2024) Opposing roles for AMPK in regulating distinct mitophagy pathways. Molecular cell, 84(22), 4350.