

Resource Summary Report

Generated by [RRID](#) on Aug 4, 2026

Phospho-AMPK? (Thr172) Antibody

RRID:AB_330330

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 2531, RRID:AB_330330

Antibody Information

URL: http://antibodyregistry.org/AB_330330

Proper Citation: Cell Signaling Technology Cat# 2531, RRID:AB_330330

Target Antigen: Phospho-AMPK? (Thr172)

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: WB
Consolidation: AB_330329.

Antibody Name: Phospho-AMPK? (Thr172) Antibody

Description: This polyclonal targets Phospho-AMPK? (Thr172)

Target Organism: monkey, rat, mouse, human

Antibody ID: AB_330330

Vendor: Cell Signaling Technology

Catalog Number: 2531

Alternative Catalog Numbers: 2531S, 2531L

Record Creation Time: 20250819T210015+0000

Record Last Update: 20250819T213137+0000

Ratings and Alerts

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

No alerts have been found for Phospho-AMPK? (Thr172) Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 98 mentions in open access literature.

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

Walter Z, et al. (2025) An integrated proteomics approach identifies phosphorylation sites on viral and host proteins that regulate West Nile virus infection. Cell reports, 44(5), 115728.

Park CH, et al. (2025) Cold-inducible GOT1 activates the malate-aspartate shuttle in brown adipose tissue to support fuel preference for fatty acids. Cell reports, 44(7), 115888.

Chen J, et al. (2025) Dietary timing enhances exercise by modulating fat-muscle crosstalk via adipocyte AMPK β 2 signaling. Cell metabolism, 37(6), 1364.

Kjærgaard J, et al. (2025) Insulin- and exercise-induced phosphoproteomics of human skeletal muscle identify REPS1 as a regulator of muscle glucose uptake. Cell reports. Medicine, 6(6), 102163.

Tedeschi V, et al. (2025) Lysosomal TPC2 channel as a new target of chlorpromazine and clomipramine to induce protective autophagy in L-BMAA-induced neurodegeneration. Biochemical pharmacology, 242(Pt 2), 117219.

Kuo CY, et al. (2025) The protective effects of liraglutide in reducing lipid droplets accumulation and myocardial fibrosis in diabetic cardiomyopathy. Cellular and molecular life sciences : CMLS, 82(1), 39.

Su Y, et al. (2025) CD47-blocking antibody confers metabolic benefits against obesity. Cell reports. Medicine, 6(5), 102089.

Van der Stede T, et al. (2025) Cellular deconstruction of the human skeletal muscle microenvironment identifies an exercise-induced histaminergic crosstalk. Cell metabolism, 37(4), 842.

Iwamoto Y, et al. (2025) Lactoferrin attenuates renal fibrosis and uremic sarcopenia in a mouse model of adenine-induced chronic kidney disease. The Journal of nutritional biochemistry, 146, 110039.

Wang F, et al. (2025) C1orf116 inhibits acquired resistance to EGFR inhibitors in EGFR mutant lung adenocarcinoma by suppressing the ATM/ATR pathways. Translational lung

cancer research, 14(9), 3796.

Wu YY, et al. (2025) PKD and scaffold NHERF1 mediate hypoxia-induced gene expression in 3T3-L1 adipocytes. *Journal of molecular endocrinology*, 75(2).

Edmondson JL, et al. (2025) EZH2 loss during metabolic stress drives restoration of MHC class I machinery in melanoma. *iScience*, 28(6), 112750.

Wagner L, et al. (2025) The Impact of Neuregulin 4 on Metabolic Dysregulation in Lipodystrophy. *Endocrinology*, 166(9).

Keawsomnuk P, et al. (2025) Effect of 8-Methyl Nonanoic Acid, a Degradation By-Product of Dihydrocapsaicin, on Energy and Glucose Homeostasis in Diet-Induced Obese Mice. *Journal of experimental pharmacology*, 17, 555.

Bai Y, et al. (2024) Trans-omic analysis reveals opposite metabolic dysregulation between feeding and fasting in liver associated with obesity. *iScience*, 27(3), 109121.

Huang YT, et al. (2024) AMPK activation modulates IL-36-induced inflammatory responses by regulating I?B? expression in the skin. *British journal of pharmacology*, 181(15), 2429.

Ling H, et al. (2024) HDAC10 inhibition represses melanoma cell growth and BRAF inhibitor resistance via upregulating SPARC expression. *NAR cancer*, 6(2), zcae018.

Pal S, et al. (2024) L-Methionine potentiates anticancer activity of Sorafenib by epigenetically altering DUSP3/ERK pathway in hepatocellular carcinoma. *Journal of biochemical and molecular toxicology*, 38(3), e23663.

Nasri A, et al. (2024) Nesfatin-1 and nesfatin-1-like peptide attenuate hepatocyte lipid accumulation and nucleobindin-1 disruption modulates lipid metabolic pathways. *Communications biology*, 7(1), 623.

Choudhury D, et al. (2024) Proline restores mitochondrial function and reverses aging hallmarks in senescent cells. *Cell reports*, 43(2), 113738.