

Resource Summary Report

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Rabbit Anti-AMPKbeta1/2 Monoclonal Antibody, Unconjugated, Clone 57C12

RRID:AB_10828832

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 4150, RRID:AB_10828832

Antibody Information

URL: http://antibodyregistry.org/AB_10828832

Proper Citation: Cell Signaling Technology Cat# 4150, RRID:AB_10828832

Target Antigen: AMPKbeta1/2

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IHC-P, IF-IC, F. Consolidation on 11/2018: AB_10694380, AB_10828832, AB_560860.

Antibody Name: Rabbit Anti-AMPKbeta1/2 Monoclonal Antibody, Unconjugated, Clone 57C12

Description: This monoclonal targets AMPKbeta1/2

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

Clone ID: Clone 57C12

Antibody ID: AB_10828832

Vendor: Cell Signaling Technology

Catalog Number: 4150

Record Creation Time: 20250820T005535+0000

Record Last Update: 20250820T093404+0000

Ratings and Alerts

No rating or validation information has been found for Rabbit Anti-AMPKbeta1/2 Monoclonal Antibody, Unconjugated, Clone 57C12.

No alerts have been found for Rabbit Anti-AMPKbeta1/2 Monoclonal Antibody, Unconjugated, Clone 57C12.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Kjærsgaard J, et al. (2025) Personalized molecular signatures of insulin resistance and type 2 diabetes. *Cell*, 188(15), 4106.

Chen C, et al. (2024) PRODH safeguards human naive pluripotency by limiting mitochondrial oxidative phosphorylation and reactive oxygen species production. *EMBO reports*, 25(4), 2015.

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

Day EA, et al. (2023) Macrophage AMPK γ 1 activation by PF-06409577 reduces the inflammatory response, cholesterol synthesis, and atherosclerosis in mice. *iScience*, 26(11), 108269.

Kanagaki S, et al. (2023) Activation of AMP-activated protein kinase (AMPK) through inhibiting interaction with prohibitins. *iScience*, 26(4), 106293.

Cheratta AR, et al. (2022) Caspase cleavage and nuclear retention of the energy sensor AMPK- γ 1 during apoptosis. *Cell reports*, 39(5), 110761.

Neopane K, et al. (2022) Blocking AMPK γ 1 myristoylation enhances AMPK activity and protects mice from high-fat diet-induced obesity and hepatic steatosis. *Cell reports*, 41(12), 111862.

Blazev R, et al. (2022) Phosphoproteomics of three exercise modalities identifies canonical signaling and C18ORF25 as an AMPK substrate regulating skeletal muscle function. *Cell metabolism*, 34(10), 1561.

Zhou Q, et al. (2022) Energy sensor AMPK γ regulates translation via phosphatase PPP6C independent of AMPK α . *Molecular cell*, 82(24), 4700.

McKinney AM, et al. (2022) GABP couples oncogene signaling to telomere regulation in TERT promoter mutant cancer. *Cell reports*, 40(12), 111344.

Muraleedharan R, et al. (2020) AMPK-Regulated Astrocytic Lactate Shuttle Plays a Non-Cell-Autonomous Role in Neuronal Survival. *Cell reports*, 32(9), 108092.

Dohmen M, et al. (2020) AMPK-dependent activation of the Cyclin Y/CDK16 complex controls autophagy. *Nature communications*, 11(1), 1032.

Hoffman NJ, et al. (2020) Genetic loss of AMPK-glycogen binding destabilises AMPK and disrupts metabolism. *Molecular metabolism*, 41, 101048.

Ji L, et al. (2019) Slc6a8-Mediated Creatine Uptake and Accumulation Reprogram Macrophage Polarization via Regulating Cytokine Responses. *Immunity*, 51(2), 272.

Chen H, et al. (2019) Acute activation of endothelial AMPK surprisingly inhibits endothelium-dependent hyperpolarization-like relaxations in rat mesenteric arteries. *British journal of pharmacology*, 176(16), 2905.

Ngoei KRW, et al. (2018) Structural Determinants for Small-Molecule Activation of Skeletal Muscle AMPK α 1 by the Glucose Importagog SC4. *Cell chemical biology*, 25(6), 728.