Resource Summary Report

Generated by NIF on Jul 30, 2026

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 NIF .

Kjærgaard 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 ?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-?1 during apoptosis. Cell reports, 39(5), 110761.

Neopane K, et al. (2022) Blocking AMPK ?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 gamma regulates translation via phosphatase PPP6C independent of AMPK alpha. 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 ?2?2?1 by the Glucose Importagog SC4. Cell chemical biology, 25(6), 728.