

Resource Summary Report

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Anti- AMPK (23A3) Rabbit monoclonal Antibody

RRID:AB_490795

Type: Antibody

Proper Citation

(Cell Signaling Technology Cat# 2603, RRID:AB_490795)

Antibody Information

URL: http://antibodyregistry.org/AB_490795

Proper Citation: (Cell Signaling Technology Cat# 2603, RRID:AB_490795)

Target Antigen: AMPK

Host Organism: rabbit

Clonality: recombinant monoclonal

Comments: Applications: WB

Consolidation: AB_10695595, AB_10841287.

Antibody Name: Anti- AMPK (23A3) Rabbit monoclonal Antibody

Description: This recombinant monoclonal targets AMPK

Target Organism: monkey, rat, mouse, human

Clone ID: 23A3

Defining Citation: [PMID:28214337](#)

Antibody ID: AB_490795

Vendor: Cell Signaling Technology

Catalog Number: 2603

Alternative Catalog Numbers: 2603P, 2603S

Record Creation Time: 20231110T070205+0000

Record Last Update: 20241115T095858+0000

Ratings and Alerts

No rating or validation information has been found for Anti- AMPK (23A3) Rabbit monoclonal Antibody.

No alerts have been found for Anti- AMPK (23A3) Rabbit monoclonal Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 30 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

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.

Okada M, et al. (2024) Impacts of exposure to and subsequent discontinuation of clozapine on tripartite synaptic transmission. British journal of pharmacology, 181(22), 4571.

Hu H, et al. (2023) Thyroid Cancers Exhibit Oncogene-Enhanced Macropinocytosis that Is Restrained by IGF1R and Promote Albumin-Drug Conjugate Response. Clinical cancer research : an official journal of the American Association for Cancer Research, 29(17), 3457.

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

Liao KM, et al. (2023) Senomorphic effect of diphenyleneiodonium through AMPK/MFF/DRP1 mediated mitochondrial fission. Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie, 162, 114616.

Sato S, et al. (2023) The circadian clock CRY1 regulates pluripotent stem cell identity and somatic cell reprogramming. Cell reports, 42(6), 112590.

Castagneto-Gissey L, et al. (2022) The early reduction of left ventricular mass after sleeve gastrectomy depends on the fall of branched-chain amino acid circulating levels. EBioMedicine, 76, 103864.

Sekar R, et al. (2022) Vps37a regulates hepatic glucose production by controlling glucagon

receptor localization to endosomes. *Cell metabolism*, 34(11), 1824.

Oo SM, et al. (2022) Selenoprotein P-mediated reductive stress impairs cold-induced thermogenesis in brown fat. *Cell reports*, 38(13), 110566.

Sato S, et al. (2022) Atlas of exercise metabolism reveals time-dependent signatures of metabolic homeostasis. *Cell metabolism*, 34(2), 329.

Lahree A, et al. (2022) Active APPL1 sequestration by Plasmodium favors liver-stage development. *Cell reports*, 39(9), 110886.

Almeida L, et al. (2021) Ribosome-Targeting Antibiotics Impair T Cell Effector Function and Ameliorate Autoimmunity by Blocking Mitochondrial Protein Synthesis. *Immunity*, 54(1), 68.

Wang M, et al. (2021) Programmed PPAR- γ downregulation induces inflammaging by suppressing fatty acid catabolism in monocytes. *iScience*, 24(7), 102766.

Toyomoto M, et al. (2021) S1PR3-G12-biased agonist ALESIA targets cancer metabolism and promotes glucose starvation. *Cell chemical biology*, 28(8), 1132.

Zhao Q, et al. (2020) PTPS Facilitates Compartmentalized LTBP1 S-Nitrosylation and Promotes Tumor Growth under Hypoxia. *Molecular cell*, 77(1), 95.

Jian C, et al. (2020) Low-Dose Sorafenib Acts as a Mitochondrial Uncoupler and Ameliorates Nonalcoholic Steatohepatitis. *Cell metabolism*, 31(5), 892.

White PJ, et al. (2020) Muscle-Liver Trafficking of BCAA-Derived Nitrogen Underlies Obesity-Related Glycine Depletion. *Cell reports*, 33(6), 108375.

Guigni BA, et al. (2019) Electrical stimulation prevents doxorubicin-induced atrophy and mitochondrial loss in cultured myotubes. *American journal of physiology. Cell physiology*, 317(6), C1213.

Su KH, et al. (2019) Heat Shock Factor 1 Is a Direct Antagonist of AMP-Activated Protein Kinase. *Molecular cell*, 76(4), 546.

Osawa T, et al. (2019) Phosphoethanolamine Accumulation Protects Cancer Cells under Glutamine Starvation through Downregulation of PCYT2. *Cell reports*, 29(1), 89.