

Resource Summary Report

Generated by [RRID](#) on Aug 8, 2026

Phospho-AMPKalpha1 (Ser485)/AMPKalpha2 (Ser491) Antibody

RRID:AB_2169402

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 4185, RRID:AB_2169402

Antibody Information

URL: http://antibodyregistry.org/AB_2169402

Proper Citation: Cell Signaling Technology Cat# 4185, RRID:AB_2169402

Target Antigen: Phospho-AMPKalpha1 (Ser485)/AMPKalpha2 (Ser491)

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: W

Antibody Name: Phospho-AMPKalpha1 (Ser485)/AMPKalpha2 (Ser491) Antibody

Description: This polyclonal targets Phospho-AMPKalpha1 (Ser485)/AMPKalpha2 (Ser491)

Target Organism: rat, h, m, mouse, r, human, mk

Antibody ID: AB_2169402

Vendor: Cell Signaling Technology

Catalog Number: 4185

Record Creation Time: 20250820T015851+0000

Record Last Update: 20250820T122224+0000

Ratings and Alerts

No rating or validation information has been found for Phospho-AMPKalpha1 (Ser485)/AMPKalpha2 (Ser491) Antibody.

No alerts have been found for Phospho-AMPKalpha1 (Ser485)/AMPKalpha2 (Ser491) Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Ancu O, et al. (2026) High protein ingestion does not affect whole-body insulin sensitivity in individuals with overweight or obesity. *Journal of the Endocrine Society*, 10(6), bvag013.

Palloni LMG, et al. (2026) AMPK-mediated HCN4 channel phosphorylation contributes to age-related intrinsic bradycardia. *The Journal of general physiology*, 158(2).

Mohammadi Jouabadi S, et al. (2026) AMPK-mediated prevention of vascular dysfunction with metformin: Experimental and population-based evidence. *British journal of pharmacology*, 183(17), 5389.

Thompson AD, et al. (2025) MC16 promotes mitochondrial biogenesis and ameliorates acute and diabetic nephropathy. *British journal of pharmacology*, 182(9), 1912.

Jiang P, et al. (2021) Negative regulation of AMPK signaling by high glucose via E3 ubiquitin ligase MG53. *Molecular cell*, 81(3), 629.

Przygodzka E, et al. (2021) PKA and AMPK Signaling Pathways Differentially Regulate Luteal Steroidogenesis. *Endocrinology*, 162(4).

Koh A, et al. (2020) Microbial Imidazole Propionate Affects Responses to Metformin through p38 γ -Dependent Inhibitory AMPK Phosphorylation. *Cell metabolism*, 32(4), 643.