

Resource Summary Report

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

Phospho-AMPK-alpha-1 (Ser485)/AMPK-alpha-2 (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: AMPK alpha1, phospho (Ser485) / AMPKalpha2, phospho (Ser491)

Clonality: unknown

Comments: Applications: W

Antibody Name: Phospho-AMPK-alpha-1 (Ser485)/AMPK-alpha-2 (Ser491) Antibody

Description: This unknown targets AMPK alpha1, phospho (Ser485) / AMPKalpha2, phospho (Ser491)

Target Organism: rat, mouse, human

Antibody ID: AB_2169402

Vendor: Cell Signaling Technology

Catalog Number: 4185

Record Creation Time: 20250819T211806+0000

Record Last Update: 20250819T223042+0000

Ratings and Alerts

No rating or validation information has been found for Phospho-AMPK-alpha-1 (Ser485)/AMPK-alpha-2 (Ser491) Antibody.

No alerts have been found for Phospho-AMPK-alpha-1 (Ser485)/AMPK-alpha-2 (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.

Przygrodzka 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.