

Resource Summary Report

Generated by [RRID](#) on Aug 31, 2026

Phospho-Akt (Ser473) (587F11) Mouse mAb

RRID:AB_331158

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 4051, RRID:AB_331158

Antibody Information

URL: http://antibodyregistry.org/AB_331158

Proper Citation: Cell Signaling Technology Cat# 4051, RRID:AB_331158

Target Antigen: Phospho-Akt (Ser473) (587F11) Mouse mAb

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: W, IP. Consolidation: AB_331159, AB_331158.

Antibody Name: Phospho-Akt (Ser473) (587F11) Mouse mAb

Description: This monoclonal targets Phospho-Akt (Ser473) (587F11) Mouse mAb

Target Organism: rat, hm, hamster, h, m, mouse, r, human

Antibody ID: AB_331158

Vendor: Cell Signaling Technology

Catalog Number: 4051

Alternative Catalog Numbers: 4051L, 4051S

Record Creation Time: 20250819T214945+0000

Record Last Update: 20250820T001353+0000

Ratings and Alerts

No rating or validation information has been found for Phospho-Akt (Ser473) (587F11) Mouse mAb.

No alerts have been found for Phospho-Akt (Ser473) (587F11) Mouse mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 46 mentions in open access literature.

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

Trushin S, et al. (2026) Discovery and Preclinical Validation of a Clinically Optimized Mitochondrial Complex I Modulator for Alzheimer's Disease. bioRxiv : the preprint server for biology.

Vite A, et al. (2026) Stiffness-induced impairment of GLUT4 trafficking in adult cardiomyocytes. Cell reports, 45(7), 117577.

Ke TL, et al. (2026) High level dynein impairs mitochondrial distribution and differentiation of rhabdomyosarcoma cells. iScience, 29(6), 116057.

Naderi J, et al. (2025) Ceramide-induced FGF13 impairs systemic metabolic health. Cell metabolism, 37(5), 1206.

Shi J, et al. (2025) 17 β -estradiol promotes osteogenic differentiation of BMSCs by regulating mitophagy through ARC. Journal of orthopaedic surgery and research, 20(1), 35.

Tang X, et al. (2025) Inhibition of autotaxin activity with IOA-289 decreases fibrosis in mouse E0771 breast tumors. International journal of cancer, 157(6), 1205.

Trushin S, et al. (2025) Therapeutic assessment of a novel mitochondrial complex I inhibitor in in vitro and in vivo models of Alzheimer's disease. bioRxiv : the preprint server for biology.

Trushin S, et al. (2025) Therapeutic assessment of a novel mitochondrial complex I inhibitor in in vitro and in vivo models of Alzheimer's disease. EBioMedicine, 120, 105924.

Zhou B, et al. (2024) Amelioration of nonalcoholic fatty liver disease by inhibiting the deubiquitylating enzyme RPN11. Cell metabolism, 36(10), 2228.

Pridham KJ, et al. (2024) Selective regulation of chemosensitivity in glioblastoma by phosphatidylinositol 3-kinase beta. iScience, 27(6), 109921.

Dimitrov J, et al. (2024) Dynamic roles of neutrophil extracellular traps in cancer cell adhesion and activation of Notch 1-mediated epithelial-to-mesenchymal transition in EGFR-driven lung cancer cells. Frontiers in immunology, 15, 1470620.

Fazzari M, et al. (2023) GM1 Oligosaccharide Efficacy in Parkinson's Disease: Protection against MPTP. Biomedicines, 11(5).

Matsuda S, et al. (2023) TGF- β in the microenvironment induces a physiologically occurring immune-suppressive senescent state. *Cell reports*, 42(3), 112129.

Fernández-Pisonero I, et al. (2022) A hotspot mutation targeting the R-RAS2 GTPase acts as a potent oncogenic driver in a wide spectrum of tumors. *Cell reports*, 38(11), 110522.

Ueda Y, et al. (2022) Mechanistic insights into cancer drug resistance through optogenetic PI3K signaling hyperactivation. *Cell chemical biology*, 29(11), 1576.

Thomas KL, et al. (2022) Transgenic overexpression of CTRP3 does not prevent alcohol induced hepatic steatosis in female mice. *PloS one*, 17(1), e0258557.

Perez Verdaguer M, et al. (2022) Time-resolved proximity labeling of protein networks associated with ligand-activated EGFR. *Cell reports*, 39(11), 110950.

Gao L, et al. (2022) Androgens improve ovarian follicle function impaired by glucocorticoids through an androgen-IGF1-FSH synergistic effect. *Frontiers in endocrinology*, 13, 951928.

Yao L, et al. (2022) Temporal control of PDGFR β regulates the fibroblast-to-myofibroblast transition in wound healing. *Cell reports*, 40(7), 111192.

Oberkersch RE, et al. (2022) Aspartate metabolism in endothelial cells activates the mTORC1 pathway to initiate translation during angiogenesis. *Developmental cell*, 57(10), 1241.