

Resource Summary Report

Generated by [RRID](#) on Aug 6, 2026

Akt (pan) (11E7) Rabbit mAb

RRID:AB_2225340

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 4685, RRID:AB_2225340

Antibody Information

URL: http://antibodyregistry.org/AB_2225340

Proper Citation: Cell Signaling Technology Cat# 4685, RRID:AB_2225340

Target Antigen: Akt2

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IP, IHC-P, IF-IC, F. Consolidation on 10/2018: AB_10698888, AB_2225340.

Antibody Name: Akt (pan) (11E7) Rabbit mAb

Description: This monoclonal targets Akt2

Target Organism: rat, mouse, human

Antibody ID: AB_2225340

Vendor: Cell Signaling Technology

Catalog Number: 4685

Record Creation Time: 20250820T040704+0000

Record Last Update: 20250820T180518+0000

Ratings and Alerts

No rating or validation information has been found for Akt (pan) (11E7) Rabbit mAb.

No alerts have been found for Akt (pan) (11E7) Rabbit mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 152 mentions in open access literature.

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

Gu Y, et al. (2025) Clioquinol inhibits angiogenesis by promoting VEGFR2 degradation and synergizes with AKT inhibition to suppress triple-negative breast cancer vascularization. *Angiogenesis*, 28(2), 13.

Hirani R, et al. (2025) BCL2 drives castration resistance in castration-sensitive prostate cancer by orchestrating reciprocal crosstalk between oncogenic pathways. *Cell reports*, 44(6), 115779.

Wu D, et al. (2025) Targeting IRE1 β improves insulin sensitivity and thermogenesis and suppresses metabolically active adipose tissue macrophages in male obese mice. *eLife*, 13.

Wang X, et al. (2025) Spatial and Single-Cell Analyses Reveal Heterogeneity of DNAM-1 Receptor-Ligand Interactions That Instructs Intratumoral $\gamma\gamma$ T-cell Activity. *Cancer research*, 85(2), 277.

Guo D, et al. (2025) OXCT1 succinylation and activation by SUCLA2 promotes ketolysis and liver tumor growth. *Molecular cell*, 85(4), 843.

Zhou Z, et al. (2025) Muscle metabolic resilience and enhanced exercise adaptation by Esr1-induced remodeling of mitochondrial cristae-nucleoid architecture in males. *Cell reports. Medicine*, 6(5), 102116.

Oyabu M, et al. (2025) Dnmt3a overexpression disrupts skeletal muscle homeostasis, promotes an aging-like phenotype, and reduces metabolic elasticity. *iScience*, 28(4), 112144.

Tsai HC, et al. (2025) Acrolein induces exosomal miR-30a-5p/NCAM1 axis promoting glioma progression. *Molecular cancer therapeutics*.

Abdelhameed AM, et al. (2025) Adiponectin Receptor Agonist AdipoRon Ameliorates the Metabolic Complications in a Hyperandrogenic Rat Model of PCOS. *Endocrinology*, 167(1).

He X, et al. (2025) PI3K β functions as a protein kinase to promote cellular protein O-GlcNAcylation and acetyl-CoA production for tumor growth. *Molecular cell*, 85(7), 1411.

Noorizadeh R, et al. (2025) YAP1 is a key regulator of EWS::FLI1-dependent malignant transformation upon IGF-1-mediated reprogramming of bone mesenchymal stem cells. *Cell reports*, 44(3), 115381.

Rossi M, et al. (2025) Dietary nitrate supplementation mitigates age-related changes at the neuromuscular junction in mice. *The Journal of physiology*.

Hansen D, et al. (2025) Hepatic stellate cells regulate liver fatty acid utilization via plasmalemma vesicle-associated protein. *Cell metabolism*, 37(4), 971.

Lv Y, et al. (2025) IFITM2 Modulates Endocytosis Maintaining Neural Stem Cells in Developing Neocortex. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(17), e2501593.

Mei W, et al. (2025) A commonly inherited human PCSK9 germline variant drives breast cancer metastasis via LRP1 receptor. *Cell*, 188(2), 371.

Tatekoshi Y, et al. (2025) Protein O-GlcNAcylation and hexokinase mitochondrial dissociation drive heart failure with preserved ejection fraction. *Cell metabolism*, 37(7), 1584.

de Aquino MTP, et al. (2025) Glutamate receptor-T cell receptor signaling potentiates full CD8+ T cell activation and effector function in tumor immunity. *iScience*, 28(10), 112772.

Zhao Y, et al. (2025) A Four Amino Acid Intracellular Motif of VISTA Blocks Growth Receptor Signaling in Cancer Cells to Induce Tumor Suppression. *Cancer research*, 85(18), 3399.

Thalalla Gamage S, et al. (2025) Transfer RNA acetylation regulates in vivo mammalian stress signaling. *Science advances*, 11(12), eads2923.

Jeelani I, et al. (2025) CCL26 and CXCL12 preserve insulin-sensitizing macrophages in subcutaneous adipose tissue in obesity. *Cell reports*, 44(10), 116450.