

# Resource Summary Report

Generated by [RRID](#) on Aug 11, 2026

## AKT1 (phospho S473) antibody [EP2109Y]

RRID:AB\_2224551

Type: Antibody

### Proper Citation

Abcam Cat# ab81283, RRID:AB\_2224551

### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_2224551](http://antibodyregistry.org/AB_2224551)

**Proper Citation:** Abcam Cat# ab81283, RRID:AB\_2224551

**Target Antigen:** Akt1

**Host Organism:** rabbit

**Clonality:** monoclonal

**Comments:** validation status unknown, seller recommendations provided in 2012:western blot, immunohistochemistry, immunocytochemistry

**Antibody Name:** AKT1 (phospho S473) antibody [EP2109Y]

**Description:** This monoclonal targets Akt1

**Target Organism:** mouse, human

**Antibody ID:** AB\_2224551

**Vendor:** Abcam

**Catalog Number:** ab81283

**Record Creation Time:** 20250819T235033+0000

**Record Last Update:** 20250820T063521+0000

### Ratings and Alerts

No rating or validation information has been found for AKT1 (phospho S473) antibody [EP2109Y].

No alerts have been found for AKT1 (phospho S473) antibody [EP2109Y].

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 31 mentions in open access literature.

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

Isayama K, et al. (2026) Reduced Akr1b7 signaling drives ovarian aging and reproductive dysfunction. *iScience*, 29(2), 114719.

Takeda S, et al. (2026) A MERTK-Targeting Antibody-Drug Conjugate Selectively Depletes M2 Tumor-Associated Macrophages and MERTK-Expressing Cancer Cells. *Cancer research*, 86(8), 2024.

Tian Y, et al. (2026) TRIM27-controlled endothelium-derived exosomes play a central role in podocyte injury in diabetic kidney disease. *Cell death discovery*, 12(1).

Blidner AG, et al. (2025) Glycosylation-driven programs coordinate immunoregulatory and pro-angiogenic functions of myeloid-derived suppressor cells. *Immunity*, 58(6), 1553.

Fu Z, et al. (2025) Empty Spiracles Homeobox 2 Transcription Factor Functions as a Tumor Suppressor in Renal Cell Carcinoma by Targeting CADM1. *Molecular cancer research : MCR*, 23(7), 597.

Yang H, et al. (2025) FAM49B mediates tumor progression and poor prognosis of gastric cancer through activating PI3K/AKT pathway. *Journal of molecular histology*, 56(5), 291.

McMenemy CM, et al. (2024) 14-3-3 $\gamma$ /Stratifin and p21 limit AKT-related malignant progression in skin carcinogenesis following MDM2-associated p53 loss. *Molecular carcinogenesis*, 63(9), 1768.

Meadows SM, et al. (2024) Hippocampal astrocytes induce sex-dimorphic effects on memory. *Cell reports*, 43(6), 114278.

Tanaka A, et al. (2024) Proteogenomic characterization of pancreatic neuroendocrine tumors uncovers hypoxia and immune signatures in clinically aggressive subtypes. *iScience*, 27(8), 110544.

Frisbie L, et al. (2024) Carcinoma-associated mesenchymal stem cells promote ovarian cancer heterogeneity and metastasis through mitochondrial transfer. *Cell reports*, 43(8), 114551.

Tanaka A, et al. (2024) Proteogenomic characterization of primary colorectal cancer and metastatic progression identifies proteome-based subtypes and signatures. *Cell reports*, 43(2), 113810.

Zhu S, et al. (2024) Integrating Network Pharmacology and Experimental Verification to Explore the Pharmacological Mechanisms of Radix Paeoniae Rubra Against Glioma. *Applied biochemistry and biotechnology*.

Chen PJ, et al. (2023) Palbociclib blocks neutrophilic phosphatidylinositol 3-kinase activity to alleviate psoriasiform dermatitis. *British journal of pharmacology*.

Yu J, et al. (2023) VPS35 promotes cell proliferation via EGFR recycling and enhances EGFR inhibitors response in gastric cancer. *EBioMedicine*, 89, 104451.

Shang J, et al. (2023) Resistin targets TAZ to promote osteogenic differentiation through PI3K/AKT/mTOR pathway. *iScience*, 26(7), 107025.

Zhao J, et al. (2023) Mechanical pressure-induced dedifferentiation of myofibroblasts inhibits scarring via SMYD3/ITGBL1 signaling. *Developmental cell*, 58(13), 1139.

Oh S, et al. (2023) Non-bioenergetic roles of mitochondrial GPD2 promote tumor progression. *Theranostics*, 13(2), 438.

Licht-Murava A, et al. (2023) Astrocytic TDP-43 dysregulation impairs memory by modulating antiviral pathways and interferon-inducible chemokines. *Science advances*, 9(16), eade1282.

Burton JJN, et al. (2022) Regulation of mouse primordial follicle formation by signaling through the PI3K pathway†. *Biology of reproduction*, 106(3), 515.

Bae H, et al. (2022) PH domain-mediated autoinhibition and oncogenic activation of Akt. *eLife*, 11.