

# Resource Summary Report

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

## AKT1 (phospho S473) antibody [EP2109Y]

RRID:AB\_2224551

Type: Antibody

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### Proper Citation

Abcam Cat# ab81283, RRID:AB\_2224551

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### Antibody Information

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

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

**Target Antigen:** AKT1 (phospho S473) antibody [EP2109Y]

**Host Organism:** rabbit

**Clonality:** monoclonal

**Comments:** validation status unknown, seller recommendations provided in 2012: Immunohistochemistry; Western Blot; Immunocytochemistry; Immunohistochemistry - fixed; ICC, IHC-P, WB

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

**Description:** This monoclonal targets AKT1 (phospho S473) antibody [EP2109Y]

**Target Organism:** mouse, human

**Antibody ID:** AB\_2224551

**Vendor:** Abcam

**Catalog Number:** ab81283

**Record Creation Time:** 20250820T022546+0000

**Record Last Update:** 20250820T133353+0000

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### 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 [dkNET](#) .

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.