Resource Summary Report

Generated by RRID on May 13, 2025

Phospho-Akt (Ser473) (D9E) XP® Rabbit mAb

RRID:AB_2315049 Type: Antibody

Proper Citation

(Cell Signaling Technology Cat# 4060, RRID:AB_2315049)

Antibody Information

URL: http://antibodyregistry.org/AB_2315049

Proper Citation: (Cell Signaling Technology Cat# 4060, RRID:AB_2315049)

Target Antigen: Phospho-Akt (Ser473)

Host Organism: rabbit

Clonality: recombinant monoclonal

Comments: Applications: W, IP, IHC-P, IF-IC, F.

Info: Rated by ISCC, Intestinal Stem Cell Consortium (check ras https://iscc.coh.org/). Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, NonFunctional in human:FALSE, Functional in animal:TRUE, NonFunctional in animal:FALSE

Consolidation on 7/2016: AB_916027, AB_2341228, AB_10234665, AB_916024

Antibody Name: Phospho-Akt (Ser473) (D9E) XP® Rabbit mAb

Description: This recombinant monoclonal targets Phospho-Akt (Ser473)

Target Organism: monkey, rat, hamster, mouse, bovine, zebrafish, human

Clone ID: Clone D9E

Defining Citation: PMID:23749404, PMID:23825125

Antibody ID: AB_2315049

Vendor: Cell Signaling Technology

Catalog Number: 4060

Alternative Catalog Numbers: 4060L, 4060T, 4060S

Record Creation Time: 20231110T034856+0000

Record Last Update: 20240725T012252+0000

Ratings and Alerts

 Rated by ISCC, Intestinal Stem Cell Consortium - ISCC https://iscconsortium.org/resourcecatalog/

No alerts have been found for Phospho-Akt (Ser473) (D9E) XP® Rabbit mAb.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 1012 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID.

Yu J, et al. (2025) Calcineurin: An essential regulator of sleep revealed by biochemical, chemical biological, and genetic approaches. Cell chemical biology, 32(1), 157.

Luo W, et al. (2025) Perfluoropentane-based oxygen-loaded nanodroplets reduce microglial activation through metabolic reprogramming. Neural regeneration research, 20(4), 1178.

Wang C, et al. (2025) Human-induced pluripotent stem cell-derived neural stem cell exosomes improve blood-brain barrier function after intracerebral hemorrhage by activating astrocytes via PI3K/AKT/MCP-1 axis. Neural regeneration research, 20(2), 518.

Thapa N, et al. (2024) A p85 isoform switch enhances PI3K activation on endosomes by a MAP4- and PI3P-dependent mechanism. Cell reports, 43(5), 114119.

Glitscher M, et al. (2024) Inhibition of Pim kinases triggers a broad antiviral activity by affecting innate immunity and via the PI3K-Akt-mTOR axis the endolysosomal system. Antiviral research, 226, 105891.

Ferreira AFF, et al. (2024) Neurodegeneration and glial morphological changes are both prevented by TRPM2 inhibition during the progression of a Parkinson's disease mouse

model. Experimental neurology, 377, 114780.

Blawski R, et al. (2024) Methylation of the chromatin modifier KMT2D by SMYD2 contributes to therapeutic response in hormone-dependent breast cancer. Cell reports, 43(5), 114174.

Choi J, et al. (2024) Molecular targets of glucocorticoids that elucidate their therapeutic efficacy in aggressive lymphomas. Cancer cell, 42(5), 833.

Wang R, et al. (2024) H3K9 lactylation in malignant cells facilitates CD8+ T cell dysfunction and poor immunotherapy response. Cell reports, 43(9), 114686.

Sun L, et al. (2024) Mitochondrial transplantation confers protection against the effects of ischemic stroke by repressing microglial pyroptosis and promoting neurogenesis. Neural regeneration research, 19(6), 1325.

Yeh TY, et al. (2024) GM1 ganglioside protects against LPS-induced neuroinflammatory and oxidative responses by inhibiting the activation of Akt, TAK1 and NADPH oxidase in MG6 microglial cells. Glycobiology, 34(1).

Lee JK, et al. (2024) Pim Kinase Inhibitors Increase Gilteritinib Cytotoxicity in FLT3-ITD Acute Myeloid Leukemia Through GSK-3? Activation and c-Myc and Mcl-1 Proteasomal Degradation. Cancer research communications, 4(2), 431.

Yan S, et al. (2024) Ibrutinib-induced pulmonary angiotensin-converting enzyme activation promotes atrial fibrillation in rats. iScience, 27(2), 108926.

Deng C, et al. (2024) Extracellular-vesicle-packaged S100A11 from osteosarcoma cells mediates lung premetastatic niche formation by recruiting gMDSCs. Cell reports, 43(2), 113751.

Li Z, et al. (2024) Nanodrug-bacteria conjugates-mediated oncogenic collagen depletion enhances immune checkpoint blockade therapy against pancreatic cancer. Med (New York, N.Y.), 5(4), 348.

Pu T, et al. (2024) Stromal-derived MAOB promotes prostate cancer growth and progression. Science advances, 10(6), eadi4935.

Mao YQ, et al. (2024) DPCD is a regulator of R2TP in ciliogenesis initiation through Akt signaling. Cell reports, 43(2), 113713.

Saidia AR, et al. (2024) Oxidative Stress Plays an Important Role in Glutamatergic Excitotoxicity-Induced Cochlear Synaptopathy: Implication for Therapeutic Molecules Screening. Antioxidants (Basel, Switzerland), 13(2).

Simpson JE, et al. (2024) Autophagy supports PDGFRA-dependent brain tumor development by enhancing oncogenic signaling. Developmental cell, 59(2), 228.

Sun J, et al. (2024) CircTBC1D22A inhibits the progression of colorectal cancer through autophagy regulated via miR-1825/ATG14 axis. iScience, 27(3), 109168.