

Resource Summary Report

Generated by PRECISE-TBI on Aug 9, 2026

PRAS40 (D23C7) XP(tm) Rabbit mAb

RRID:AB_2225033

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 2691, RRID:AB_2225033

Antibody Information

URL: http://antibodyregistry.org/AB_2225033

Proper Citation: Cell Signaling Technology Cat# 2691, RRID:AB_2225033

Target Antigen: Akt1s1

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IP, IHC-P. Consolidation on 10/2018: AB_10331989, AB_10827888, AB_2225033.

Antibody Name: PRAS40 (D23C7) XP(tm) Rabbit mAb

Description: This monoclonal targets Akt1s1

Target Organism: rat, mouse, human

Antibody ID: AB_2225033

Vendor: Cell Signaling Technology

Catalog Number: 2691

Record Creation Time: 20250820T042059+0000

Record Last Update: 20250820T184414+0000

Ratings and Alerts

No rating or validation information has been found for PRAS40 (D23C7) XP(tm) Rabbit mAb.

No alerts have been found for PRAS40 (D23C7) XP(tm) Rabbit mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 30 mentions in open access literature.

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

Govindarajan M, et al. (2026) Pan-cancer N-glycoproteomic atlas of patient-derived xenografts uncovers FAT2 as an actionable surface target. *Cell reports. Medicine*, 7(2), 102578.

Metz CN, et al. (2026) Leveraging Menstrual Effluent to Investigate Vitamin D and Human Decidualization: A Potential Link with Fertility. *The Journal of clinical endocrinology and metabolism*, 111(6), e1532.

Li G, et al. (2026) Non-enzymatic ABHD6 interacts with Akt-FoxO1 axis to regulate selective hepatic insulin resistance. *bioRxiv : the preprint server for biology*.

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

Burge RA, et al. (2025) PTEN Oxidation Promotes Constitutive PI3K Signaling and Inducible Macropinocytosis in Pancreatic Cancer. *Cancer research*, OF1.

Almazan J, et al. (2025) Combined inhibition of focal adhesion kinase and RAF/MEK elicits synergistic inhibition of melanoma growth and reduces metastases. *Cell reports. Medicine*, 6(2), 101943.

Zheng S, et al. (2025) Phosphorylation of plectin by Akt3 promotes triple-negative breast cancer cell invasive migration. *iScience*, 28(10), 113552.

Goedeke L, et al. (2024) High-fat-diet-induced hepatic insulin resistance per se attenuates murine de novo lipogenesis. *iScience*, 27(11), 111175.

Martins C, et al. (2024) Tumor cell-intrinsic PD-1 promotes Merkel cell carcinoma growth by activating downstream mTOR-mitochondrial ROS signaling. *Science advances*, 10(3), eadi2012.

Klomp JA, et al. (2024) Defining the KRAS- and ERK-dependent transcriptome in KRAS-mutant cancers. *Science (New York, N.Y.)*, 384(6700), eadk0775.

Bagh MB, et al. (2024) Disruption of lysosomal nutrient sensing scaffold contributes to pathogenesis of a fatal neurodegenerative lysosomal storage disease. *The Journal of biological chemistry*, 300(2), 105641.

Cahuzac KM, et al. (2023) AKT activation because of PTEN loss upregulates xCT via GSK3 β /NRF2, leading to inhibition of ferroptosis in PTEN-mutant tumor cells. *Cell reports*, 42(5), 112536.

Huang Y, et al. (2022) Microglia/macrophage-derived human CCL18 promotes glioma progression via CCR8-ACP5 axis analyzed in humanized slice model. *Cell reports*, 39(2), 110670.

Hu SH, et al. (2022) Methylene-bridge tryptophan fatty acylation regulates PI3K-AKT signaling and glucose uptake. *Cell reports*, 38(11), 110509.

Chen C, et al. (2022) Translational and post-translational control of human naïve versus primed pluripotency. *iScience*, 25(1), 103645.

Cai Y, et al. (2021) Genomic Alterations in PIK3CA-Mutated Breast Cancer Result in mTORC1 Activation and Limit the Sensitivity to PI3K β Inhibitors. *Cancer research*, 81(9), 2470.

Ganesan D, et al. (2020) Astroglial biotin deprivation under endoplasmic reticulum stress uncouples BCAA-mTORC1 role in lipid synthesis to prolong autophagy inhibition in the aging brain. *Journal of neurochemistry*, 154(5), 562.

Moustafa-Kamal M, et al. (2020) The mTORC1/S6K/PDCD4/eIF4A Axis Determines Outcome of Mitotic Arrest. *Cell reports*, 33(1), 108230.

Chew HY, et al. (2020) Endocytosis Inhibition in Humans to Improve Responses to ADCC-Mediating Antibodies. *Cell*, 180(5), 895.

Di Nardo A, et al. (2020) Phenotypic Screen with TSC-Deficient Neurons Reveals Heat-Shock Machinery as a Druggable Pathway for mTORC1 and Reduced Cilia. *Cell reports*, 31(12), 107780.