

Resource Summary Report

Generated by [RRID](#) on Aug 5, 2026

Rabbit Anti-PRAS40, Phospho (Thr246) Monoclonal Antibody, Unconjugated, Clone C77D7

RRID:AB_2258110

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 2997, RRID:AB_2258110

Antibody Information

URL: http://antibodyregistry.org/AB_2258110

Proper Citation: Cell Signaling Technology Cat# 2997, RRID:AB_2258110

Target Antigen: AKT1S1

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IP, IHC-P. Consolidation on 11/2018: AB_10342294, AB_10342447, AB_2225030, AB_2258110.

Antibody Name: Rabbit Anti-PRAS40, Phospho (Thr246) Monoclonal Antibody, Unconjugated, Clone C77D7

Description: This monoclonal targets AKT1S1

Target Organism: rat, mouse, human

Antibody ID: AB_2258110

Vendor: Cell Signaling Technology

Catalog Number: 2997

Record Creation Time: 20250820T043737+0000

Record Last Update: 20250820T192924+0000

Ratings and Alerts

No rating or validation information has been found for Rabbit Anti-PRAS40, Phospho (Thr246) Monoclonal Antibody, Unconjugated, Clone C77D7.

No alerts have been found for Rabbit Anti-PRAS40, Phospho (Thr246) Monoclonal Antibody, Unconjugated, Clone C77D7.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 28 mentions in open access literature.

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

Koundouros N, et al. (2025) Direct sensing of dietary ω -6 linoleic acid through FABP5-mTORC1 signaling. *Science* (New York, N.Y.), 387(6739), eadm9805.

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.

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

Gadal S, et al. (2025) Tumorigenesis Driven by BRAFV600E Requires Secondary Mutations That Overcome Its Feedback Inhibition of RAC1 and Migration. *Cancer research*, 85(9), 1611.

Zhou CQ, et al. (2024) Anti-HDGF Antibody Targets EGFR Tyrosine Kinase Inhibitor-Tolerant Cells in NSCLC Patient-Derived Xenografts. *Cancer research communications*, 4(9), 2308.

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

Chang Y, et al. (2024) Development of an orally bioavailable CDK12/13 degrader and induction of synthetic lethality with AKT pathway inhibition. *Cell reports. Medicine*, 5(10), 101752.

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.

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.

Santoleri D, et al. (2022) Global-run on sequencing identifies Gm11967 as an Akt-dependent long noncoding RNA involved in insulin sensitivity. *iScience*, 25(6), 104410.

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

Mukherjee R, et al. (2021) Regulation of PTEN translation by PI3K signaling maintains pathway homeostasis. *Molecular cell*, 81(4), 708.

Jiang Z, et al. (2021) Isthmin-1 is an adipokine that promotes glucose uptake and improves glucose tolerance and hepatic steatosis. *Cell metabolism*, 33(9), 1836.

Sostre-Colón J, et al. (2021) Hepatic AKT orchestrates adipose tissue thermogenesis via FGF21-dependent and -independent mechanisms. *Cell reports*, 35(7), 109128.

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.

You I, et al. (2020) Discovery of an AKT Degradar with Prolonged Inhibition of Downstream Signaling. *Cell chemical biology*, 27(1), 66.

Koundouros N, et al. (2020) Metabolic Fingerprinting Links Oncogenic PIK3CA with Enhanced Arachidonic Acid-Derived Eicosanoids. *Cell*, 181(7), 1596.

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