

Resource Summary Report

Generated by [NIF](#) on Sep 6, 2026

Phospho-mTOR (Ser2448) Antibody

RRID:AB_330970

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 2971, RRID:AB_330970

Antibody Information

URL: http://antibodyregistry.org/AB_330970

Proper Citation: Cell Signaling Technology Cat# 2971, RRID:AB_330970

Target Antigen: Phospho-mTOR (Ser2448)

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: W. Consolidation on 7/2016: AB_330971.

Antibody Name: Phospho-mTOR (Ser2448) Antibody

Description: This polyclonal targets Phospho-mTOR (Ser2448)

Target Organism: rat, h, m, mouse, r, non-human primate, human, mk

Antibody ID: AB_330970

Vendor: Cell Signaling Technology

Catalog Number: 2971

Alternative Catalog Numbers: 2971S, 2971L

Record Creation Time: 20231110T081345+0000

Record Last Update: 20260829T065134+0000

Ratings and Alerts

No rating or validation information has been found for Phospho-mTOR (Ser2448) Antibody.

No alerts have been found for Phospho-mTOR (Ser2448) Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 193 mentions in open access literature.

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

Yamauchi T, et al. (2026) Valine availability controls oncogenic cell-cycle progression through translation of D-type cyclins. *Biochemical pharmacology*, 246, 117706.

Kadam R, et al. (2026) Optineurin modulates mTORC2/AKT/STAT3 signaling to control MHC class II expression and adaptive immunity against HSV-1. *Cell reports*, 45(4), 117263.

Liu SS, et al. (2026) Epigenetic regulation of NDGA and its synergistic inhibition with EZH2 inhibitors in prostate cancer via NRP1. *Acta pharmacologica Sinica*, 47(6), 1643.

Luo S, et al. (2026) Neuronal PPP2R5C in plasma is a potential biomarker for early diagnosis of Alzheimer's disease. *Cell reports. Medicine*, 7(3), 102631.

Zhang S, et al. (2026) A peritumoral microenvironment engaged by Reg-EXTL3 axis fosters nerve-cancer interactions in pancreatic ductal adenocarcinoma. *Neuron*.

An P, et al. (2026) Repression of Polycomb Group Factor 1 Inhibits EMT Progression in Colon Cancers Cells via Wnt/ β -Catenin and PI3K/Akt/mTOR Signaling Pathway. *Digestive diseases and sciences*.

Chattergoon NN, et al. (2026) B-Raf is required for normal murine cardiac development and function. *American journal of physiology. Regulatory, integrative and comparative physiology*, 330(6), R590.

Mitchell-Flack M, et al. (2026) The ionotropic AMPA receptor contributes to autoimmunity via altered regulatory T cell differentiation. *iScience*, 29(1), 114267.

Lörentz S, et al. (2026) SNAT1 (SLC38A1) Is Not the Main Glutamine Transporter in Melanoma, but Controls Metabolism via Glutamine-Dependent Activation of P62 (SQSTM1)/cMYC-Axis. *Cancers*, 18(7).

Zink A, et al. (2026) Pluripotent stem-cell-based screening uncovers sildenafil as a mitochondrial disease therapy. *Cell*, 189(6), 1656.

Sajan MP, et al. (2026) Progranulin deficiency in the brain activates an insulin signaling pathway that may promote neurodegeneration. *iScience*, 29(5), 115720.

Han S, et al. (2026) Celecoxib potentiates ribociclib-induced apoptosis and anti-tumor activity by co-targeting COX-2/NF- κ B and PI3K/AKT/mTOR pathways in hormone

receptor-positive/HER2-negative breast cancer. *Apoptosis : an international journal on programmed cell death*, 31(5).

Jing J, et al. (2026) Recombinant tissue plasminogen activator protects neurons after intracerebral hemorrhage through activating the PI3K/AKT/mTOR pathway. *Neural regeneration research*, 21(4), 1574.

Xiong H, et al. (2026) MicroRNA-200s attenuate demyelination caused by *Angiostrongylus cantonensis* in a mouse model by targeting phosphatase and tensin homolog. *Neural regeneration research*, 21(6), 2599.

Xie C, et al. (2026) Lysosome-localized IRTKS condensates promote mTORC1 activity leading to MASLD and HCC. *Cell reports*, 45(2), 116893.

Landowski M, et al. (2026) Mitofusins are required for specialized mitochondrial morphology and function of rod photoreceptor cells. *Frontiers in cell and developmental biology*, 14, 1724328.

Lara Castillo NA, et al. (2026) Exercise beneficially reshapes fasted rat skeletal muscle involving the combined action of β -hydroxybutyrate and palmitoleic acid. *American journal of physiology. Cell physiology*, 330(4), C1006.

Smith MJ, et al. (2026) Persistent Human Quadriceps Muscle Volume Deficits Following ACL Reconstruction Are Associated With No Detectable Between-Leg Differences in Vastus Lateralis Muscle Signaling at Rest or Immediately Following Resistance Exercise. *Scandinavian journal of medicine & science in sports*, 36(7), e70343.

Sunami T, et al. (2026) IGF2BP3 is essential for the growth heterogeneity of colorectal adenoma cells by regulating MYC. *iScience*, 29(7), 116535.

Wu J, et al. (2025) Vitamin B6 preserves the stemness-like phenotypes and antitumor ability of CD8⁺ T cells. *Developmental cell*.