

Resource Summary Report

Generated by [RRID](#) on Aug 1, 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: 20250820T002817+0000

Record Last Update: 20250820T082120+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 175 mentions in open access literature.

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

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

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

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

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.

Wang Q, et al. (2025) FGF-induced phospholipase C? signaling regulates lacrimal gland branching by competing with PI3K in phosphoinositide metabolism. *Cell reports*, 44(8), 116046.

Silva J, et al. (2025) Sub-Immunosuppressive Tacrolimus Ameliorates Amyloid-Beta and Tau Pathology in 3xTg-AD Mice. *International journal of molecular sciences*, 26(5).

Stavrides P, et al. (2025) mTOR inhibition in Q175 Huntington's disease model mice facilitates neuronal autophagy and mutant huntingtin clearance. *eLife*, 14.

Kjærgaard J, et al. (2025) Insulin- and exercise-induced phosphoproteomics of human skeletal muscle identify REPS1 as a regulator of muscle glucose uptake. *Cell reports. Medicine*, 6(6), 102163.

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

Yoshimura A, et al. (2025) Taste receptor type 1 member 3 in osteoclasts regulates osteoclastogenesis via detection of glucose. *The Journal of biological chemistry*, 301(3), 108273.

Budagyan K, et al. (2025) KRAS G12V mutation-selective requirement for ACSS2 in colorectal adenoma formation. *Cell reports*, 44(4), 115444.

Dang H, et al. (2025) Maternal gut microbiota influence stem cell function in offspring. *Cell stem cell*, 32(2), 246.

Albuayjan HHH, et al. (2025) Role of galectin-9 in the development of gestational diabetes mellitus. *Scientific reports*, 15(1), 18981.

Gerardo H, et al. (2025) Extracellular matrix mechanical cues (dys)regulate metabolic redox homeostasis due to impaired autophagic flux. *European journal of clinical investigation*, 55(9), e70051.

Manupati K, et al. (2025) Novel Metastasis Suppressor PI3KC2? Is Mediated by mTORC1 Signaling in Breast Cancer. *Molecular cancer research : MCR*, 23(9), 765.

Theardy MS, et al. (2025) Therapeutic targeting of syndecan-1 axis overcomes acquired resistance to KRAS-targeted therapy in gastrointestinal cancers. *Cell reports. Medicine*, 6(8), 102253.

McDonald PC, et al. (2025) Neutrophil extracellular trap gene expression signatures identify prognostic and targetable signaling axes for inhibiting pancreatic tumour metastasis. *Communications biology*, 8(1), 1006.

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

Rossi M, et al. (2025) Dietary nitrate supplementation mitigates age-related changes at the neuromuscular junction in mice. *The Journal of physiology*.

Liu YN, et al. (2025) Synaptotagmin-7 deficit causes insulin hypoactivity and contributes to behavioral alterations in mice. *iScience*, 28(5), 112354.