

Resource Summary Report

Generated by [RRID](#) on Aug 2, 2026

Rabbit Anti-Raptor Monoclonal Antibody, Unconjugated, Clone 24C12

RRID:AB_561245

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 2280, RRID:AB_561245

Antibody Information

URL: http://antibodyregistry.org/AB_561245

Proper Citation: Cell Signaling Technology Cat# 2280, RRID:AB_561245

Target Antigen: Raptor

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IP. Consolidation on 11/2018: AB_10694695, AB_10830734, AB_561245.

Antibody Name: Rabbit Anti-Raptor Monoclonal Antibody, Unconjugated, Clone 24C12

Description: This monoclonal targets Raptor

Target Organism: mouse, human

Clone ID: Clone 24C12

Antibody ID: AB_561245

Vendor: Cell Signaling Technology

Catalog Number: 2280

Record Creation Time: 20250820T030131+0000

Record Last Update: 20250820T150905+0000

Ratings and Alerts

No rating or validation information has been found for Rabbit Anti-Raptor Monoclonal Antibody, Unconjugated, Clone 24C12.

No alerts have been found for Rabbit Anti-Raptor Monoclonal Antibody, Unconjugated, Clone 24C12.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 105 mentions in open access literature.

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

Fan J, et al. (2026) PDX1 phosphorylation at S61 by mTORC1 links nutrient signaling to ? cell function and metabolic disease. Cell reports, 45(1), 116811.

Patel SS, et al. (2025) Induction of Triple-Negative Breast Cancer Cell Death and Chemosensitivity Using mTORC2-Directed RNAi Nanomedicine. Cancer research communications, 5(3), 458.

Yao Y, et al. (2025) The Cullin3-Rbx1-KLHL9 E3 ubiquitin ligase complex ubiquitinates Rheb and supports amino acid-induced mTORC1 activation. Cell reports, 44(1), 115101.

Khalatyan N, et al. (2025) Ribosome customization and functional diversification among P-stalk proteins regulate late poxvirus protein synthesis. Cell reports, 44(1), 115119.

Lane AR, et al. (2025) Adaptive protein synthesis in genetic models of copper deficiency and childhood neurodegeneration. Molecular biology of the cell, 36(3), ar33.

Scepanovic G, et al. (2025) mTor limits autophagy to facilitate cell volume expansion and rapid wound repair in Drosophila embryos. Developmental cell, 60(10), 1400.

Koshizuka K, et al. (2025) Genome-Wide CRISPR Screening Reveals That mTOR Inhibition Initiates Ferritinophagy and Ferroptosis in Head and Neck Cancer. Cancer research, 85(16), 3032.

Shin S, et al. (2025) mTOR inhibition reprograms cellular lipid homeostasis by inducing alternative lipid uptake and promoting cholesterol transport. Molecular cell, 85(18), 3486.

Baehr LM, et al. (2025) Response of UBR-box E3 ubiquitin ligases and protein quality control pathways to perturbations in protein synthesis and skeletal muscle size. American journal of physiology. Cell physiology, 329(6), C1706.

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

Han F, et al. (2025) Lymphatic endothelial mTORC1 instructs metabolic and developmental signaling during lymphangiogenesis. *Developmental cell*, 60(17), 2331.

Shao N, et al. (2025) USP5 stabilizes YTHDF1 to control cancer immune surveillance through mTORC1-mediated phosphorylation. *Nature communications*, 16(1), 1313.

Kojima R, et al. (2025) Elaidic acid drives cellular senescence and inflammation via lipid raft-mediated IL-1R signaling. *iScience*, 28(9), 113305.

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

Edmondson JL, et al. (2025) EZH2 loss during metabolic stress drives restoration of MHC class I machinery in melanoma. *iScience*, 28(6), 112750.

Zhang F, et al. (2025) RHEB neddylation by the UBE2F-SAG axis enhances mTORC1 activity and aggravates liver tumorigenesis. *The EMBO journal*, 44(4), 1185.

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

Xu C, et al. (2025) YTHDF1 differentiates the contributing roles of mTORC1 in aging. *Molecular cell*, 85(11), 2194.

Efentakis P, et al. (2024) Implications and hidden toxicity of cardiometabolic syndrome and early-stage heart failure in carfilzomib-induced cardiotoxicity. *British journal of pharmacology*, 181(16), 2964.

Lane AR, et al. (2024) Adaptive protein synthesis in genetic models of copper deficiency and childhood neurodegeneration. *bioRxiv : the preprint server for biology*.