

Resource Summary Report

Generated by [RRID](#) on Aug 3, 2026

Mouse Anti-mTOR Monoclonal Antibody, Unconjugated, Clone L27D4

RRID:AB_1904056

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 4517, RRID:AB_1904056

Antibody Information

URL: http://antibodyregistry.org/AB_1904056

Proper Citation: Cell Signaling Technology Cat# 4517, RRID:AB_1904056

Target Antigen: mTOR

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: W

Antibody Name: Mouse Anti-mTOR Monoclonal Antibody, Unconjugated, Clone L27D4

Description: This monoclonal targets mTOR

Target Organism: monkey, rat, simian, mouse, human

Clone ID: Clone L27D4

Antibody ID: AB_1904056

Vendor: Cell Signaling Technology

Catalog Number: 4517

Record Creation Time: 20250820T070832+0000

Record Last Update: 20250821T014121+0000

Ratings and Alerts

No rating or validation information has been found for Mouse Anti-mTOR Monoclonal Antibody, Unconjugated, Clone L27D4.

No alerts have been found for Mouse Anti-mTOR Monoclonal Antibody, Unconjugated, Clone L27D4.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

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

Kommaddi RP, et al. (2024) Akt activation ameliorates deficits in hippocampal-dependent memory and activity-dependent synaptic protein synthesis in an Alzheimer's disease mouse model. The Journal of biological chemistry, 300(2), 105619.

Sangineto M, et al. (2024) Monocyte bioenergetics: An immunometabolic perspective in metabolic dysfunction-associated steatohepatitis. Cell reports. Medicine, 5(5), 101564.

Shaiken TE, et al. (2023) Transcriptome, proteome, and protein synthesis within the intracellular cytomatrix. iScience, 26(2), 105965.

Bogetofte H, et al. (2023) Post-translational proteomics platform identifies neurite outgrowth impairments in Parkinson's disease GBA-N370S dopamine neurons. Cell reports, 42(3), 112180.

Kommaddi RP, et al. (2023) Sex difference in evolution of cognitive decline: studies on mouse model and the Dominantly Inherited Alzheimer Network cohort. Translational psychiatry, 13(1), 123.

Liedmann S, et al. (2022) Localization of a TORC1-eIF4F translation complex during CD8+ T cell activation drives divergent cell fate. Molecular cell, 82(13), 2401.

Macedo LM, et al. (2021) Effect of angiotensin II and angiotensin-(1-7) on proliferation of stem cells from human dental apical papilla. Journal of cellular physiology, 236(1), 366.

Davidson CD, et al. (2021) Thyroid Hormone Receptor Beta Inhibits PI3K-Akt-mTOR Signaling Axis in Anaplastic Thyroid Cancer via Genomic Mechanisms. Journal of the Endocrine Society, 5(8), bvab102.

Zehnder T, et al. (2021) Mitochondrial biogenesis in developing astrocytes regulates astrocyte maturation and synapse formation. Cell reports, 35(2), 108952.

Lv K, et al. (2021) HectD1 controls hematopoietic stem cell regeneration by coordinating ribosome assembly and protein synthesis. *Cell stem cell*, 28(7), 1275.

Jones AK, et al. (2021) Uteroplacental nutrient flux and evidence for metabolic reprogramming during sustained hypoxemia. *Physiological reports*, 9(18), e15033.