

Resource Summary Report

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Phospho-4E-BP1 (Thr37/46) Antibody

RRID:AB_330985

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 9459, RRID:AB_330985

Antibody Information

URL: http://antibodyregistry.org/AB_330985

Proper Citation: Cell Signaling Technology Cat# 9459, RRID:AB_330985

Target Antigen: Phospho-4E-BP1 (Thr37/46)

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: W. Consolidation on 10/2018: AB_10078082, AB_10078672, AB_2262165, AB_330985. Info: Used By NYUIHC-581.

Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE

Antibody Name: Phospho-4E-BP1 (Thr37/46) Antibody

Description: This polyclonal targets Phospho-4E-BP1 (Thr37/46)

Target Organism: rat, h, m, mouse, r, human, mk

Antibody ID: AB_330985

Vendor: Cell Signaling Technology

Catalog Number: 9459

Record Creation Time: 20250820T025919+0000

Record Last Update: 20250820T150242+0000

Ratings and Alerts

- Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE - NYU Langone's Center for Biospecimen Research and Development <https://med.nyu.edu/research/scientific-cores-shared-resources/center-biospecimen-research-development>

No alerts have been found for Phospho-4E-BP1 (Thr37/46) Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 43 mentions in open access literature.

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

Li G, et al. (2026) Mitochondrial VHL rewires cell metabolism in hypoxia. Cell metabolism, 38(1), 174.

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.

Mahmoud A, et al. (2025) Paired primary-metastasis patient-derived organoids and mouse models identify phenotypic evolution and druggable dependencies of peritoneal metastasis from appendiceal cancer. bioRxiv : the preprint server for biology.

Middleton G, et al. (2025) A phase II trial of mTORC1/2 inhibition in STK11 deficient non small cell lung cancer. NPJ precision oncology, 9(1), 67.

Iwamoto Y, et al. (2025) Lactoferrin attenuates renal fibrosis and uremic sarcopenia in a mouse model of adenine-induced chronic kidney disease. The Journal of nutritional biochemistry, 146, 110039.

Burgmer S, et al. (2025) Endosymbiont control through non-canonical immune signaling and gut metabolic remodeling. Cell reports, 44(6), 115811.

Thalalla Gamage S, et al. (2025) Transfer RNA acetylation regulates in vivo mammalian stress signaling. Science advances, 11(12), eads2923.

Liu X, et al. (2025) Discovery, delineation, and therapeutic targeting of a hyper-translation pathway driving cytokine release syndrome. Cell reports. Medicine, 102531.

Sadeghi M, et al. (2024) Biased signaling by mutant EGFR underlies dependence on PKC ? in lung adenocarcinoma. Cell reports, 43(12), 115026.

Wang X, et al. (2024) The ATAC complex represses the transcriptional program of the autophagy-lysosome pathway via its E3 ubiquitin ligase activity. *Cell reports*, 43(12), 115033.

Thapa N, et al. (2024) A p85 isoform switch enhances PI3K activation on endosomes by a MAP4- and PI3P-dependent mechanism. *Cell reports*, 43(5), 114119.

Unachukwu U, et al. (2023) Tyrosine Kinase Inhibitors Diminish Renal Neoplasms in a Tuberous Sclerosis Model Via Induction of Apoptosis. *Molecular cancer therapeutics*, 22(7), 844.

Festa BP, et al. (2023) Microglial-to-neuronal CCR5 signaling regulates autophagy in neurodegeneration. *Neuron*, 111(13), 2021.

Paulussen KJ, et al. (2023) Underpinning the Food Matrix Regulation of Postexercise Myofibrillar Protein Synthesis by Comparing Salmon Ingestion With the Sum of Its Isolated Nutrients in Healthy Young Adults. *The Journal of nutrition*, 153(5), 1359.

Magtanong L, et al. (2022) Context-dependent regulation of ferroptosis sensitivity. *Cell chemical biology*, 29(9), 1409.

Kim SH, et al. (2022) Electroconvulsive seizure inhibits the mTOR signaling pathway via AMPK in the rat frontal cortex. *Psychopharmacology*, 239(2), 443.

Morrison KR, et al. (2022) An AMPK γ 2-specific phospho-switch controls lysosomal targeting for activation. *Cell reports*, 38(7), 110365.

Oberkersch RE, et al. (2022) Aspartate metabolism in endothelial cells activates the mTORC1 pathway to initiate translation during angiogenesis. *Developmental cell*, 57(10), 1241.

Ravichandran J, et al. (2022) Increased Expression of Syncytin-1 in Skeletal Muscle of Humans With Increased Body Mass Index. *Frontiers in physiology*, 13, 858341.

Armenta DA, et al. (2022) Ferroptosis inhibition by lysosome-dependent catabolism of extracellular protein. *Cell chemical biology*, 29(11), 1588.