

Resource Summary Report

Generated by [RRID](#) on Aug 31, 2026

Rabbit Anti-Nonphospho-4E-BP1, phospho (Thr46) Monoclonal Antibody, Unconjugated, Clone 87D12

RRID:AB_659944

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 4923, RRID:AB_659944

Antibody Information

URL: http://antibodyregistry.org/AB_659944

Proper Citation: Cell Signaling Technology Cat# 4923, RRID:AB_659944

Target Antigen: Nonphospho-4E-BP1, phospho (Thr46)

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IF-IC, F. Consolidation on 11/2018: AB_10171140, AB_10171692, AB_10175172, AB_659944, AB_659945.

Antibody Name: Rabbit Anti-Nonphospho-4E-BP1, phospho (Thr46) Monoclonal Antibody, Unconjugated, Clone 87D12

Description: This monoclonal targets Nonphospho-4E-BP1, phospho (Thr46)

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

Clone ID: Clone 87D12

Antibody ID: AB_659944

Vendor: Cell Signaling Technology

Catalog Number: 4923

Record Creation Time: 20250820T000006+0000

Record Last Update: 20250820T070413+0000

Ratings and Alerts

No rating or validation information has been found for Rabbit Anti-Nonphospho-4E-BP1, phospho (Thr46) Monoclonal Antibody, Unconjugated, Clone 87D12.

No alerts have been found for Rabbit Anti-Nonphospho-4E-BP1, phospho (Thr46) Monoclonal Antibody, Unconjugated, Clone 87D12.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Sun X, et al. (2024) Oxidative stress reprograms the transcriptional coactivator Yki to suppress cell proliferation. *Cell reports*, 43(8), 114584.

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.

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

Santatusagna S, et al. (2023) Master Transcription Factor Reprogramming Unleashes Selective Translation Promoting Castration Resistance and Immune Evasion in Lethal Prostate Cancer. *Cancer discovery*, 13(12), 2584.

Martinez-Miguel VE, et al. (2021) Increased fidelity of protein synthesis extends lifespan. *Cell metabolism*, 33(11), 2288.

Atilano ML, et al. (2021) Enhanced insulin signalling ameliorates C9orf72 hexanucleotide repeat expansion toxicity in *Drosophila*. *eLife*, 10.

Damstra-Oddy JL, et al. (2021) Phytocannabinoid-dependent mTORC1 regulation is dependent upon inositol polyphosphate multikinase activity. *British journal of pharmacology*, 178(5), 1149.

Hekman RM, et al. (2020) Actionable Cytopathogenic Host Responses of Human Alveolar Type 2 Cells to SARS-CoV-2. *Molecular cell*, 80(6), 1104.

Vandehoef C, et al. (2020) Dietary Adaptation of Microbiota in *Drosophila* Requires NF- κ B-Dependent Control of the Translational Regulator 4E-BP. *Cell reports*, 31(10), 107736.

Hu JK, et al. (2017) An FAK-YAP-mTOR Signaling Axis Regulates Stem Cell-Based Tissue Renewal in Mice. *Cell stem cell*, 21(1), 91.