

Resource Summary Report

Generated by [RRID](#) on Aug 13, 2026

4E-BP2 Antibody

RRID:AB_10699019

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 2845, RRID:AB_10699019

Antibody Information

URL: http://antibodyregistry.org/AB_10699019

Proper Citation: Cell Signaling Technology Cat# 2845, RRID:AB_10699019

Target Antigen: 4E-BP2

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: W, IP, IHC-P, F. Consolidation: AB_2230837, AB_10828106.

Antibody Name: 4E-BP2 Antibody

Description: This polyclonal targets 4E-BP2

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

Antibody ID: AB_10699019

Vendor: Cell Signaling Technology

Catalog Number: 2845

Alternative Catalog Numbers: 2845P, 2845S, 2845T

Record Creation Time: 20250820T003559+0000

Record Last Update: 20250820T084155+0000

Ratings and Alerts

No rating or validation information has been found for 4E-BP2 Antibody.

No alerts have been found for 4E-BP2 Antibody.

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](#) .

Kurosaki T, et al. (2025) FMRP drives mRNP targets into translationally silenced complexes. *Molecular cell*, 85(15), 2956.

Shin S, et al. (2023) mTOR inhibition reprograms cellular proteostasis by regulating eIF3D-mediated selective mRNA translation and promotes cell phenotype switching. *Cell reports*, 42(8), 112868.

Sprenkle NT, et al. (2023) The miR-23-27-24 clusters drive lipid-associated macrophage proliferation in obese adipose tissue. *Cell reports*, 42(8), 112928.

Tang B, et al. (2023) MicroRNA-31 induced by *Fusobacterium nucleatum* infection promotes colorectal cancer tumorigenesis. *iScience*, 26(5), 106770.

Patil S, et al. (2023) eIF4E phosphorylation recruits β -catenin to mRNA cap and promotes Wnt pathway translation in dentate gyrus LTP maintenance. *iScience*, 26(5), 106649.

Saviuk N, et al. (2022) Loss of 4E-BP converts cerebellar long-term depression to long-term potentiation. *Cell reports*, 39(10), 110911.

Yuskaitis CJ, et al. (2022) DEPDC5-dependent mTORC1 signaling mechanisms are critical for the anti-seizure effects of acute fasting. *Cell reports*, 40(9), 111278.

Hooshmandi M, et al. (2021) 4E-BP2-dependent translation in cerebellar Purkinje cells controls spatial memory but not autism-like behaviors. *Cell reports*, 35(4), 109036.

Paulo E, et al. (2021) Brown adipocyte ATF4 activation improves thermoregulation and systemic metabolism. *Cell reports*, 36(12), 109742.

Hulea L, et al. (2018) Translational and HIF-1 α -Dependent Metabolic Reprogramming Underpin Metabolic Plasticity and Responses to Kinase Inhibitors and Biguanides. *Cell metabolism*, 28(6), 817.

Walton ZE, et al. (2018) Acid Suspends the Circadian Clock in Hypoxia through Inhibition of mTOR. *Cell*, 174(1), 72.

Laguesse S, et al. (2017) Prosapip1-Dependent Synaptic Adaptations in the Nucleus Accumbens Drive Alcohol Intake, Seeking, and Reward. *Neuron*, 96(1), 145.