

Resource Summary Report

Generated by [RRID](#) on Aug 4, 2026

Phospho-eEF2 (Thr56) Antibody

RRID:AB_10015204

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 2331, RRID:AB_10015204

Antibody Information

URL: http://antibodyregistry.org/AB_10015204

Proper Citation: Cell Signaling Technology Cat# 2331, RRID:AB_10015204

Target Antigen: Phospho-eEF2 (Thr56)

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: W. Consolidation: AB_2277755.

Antibody Name: Phospho-eEF2 (Thr56) Antibody

Description: This polyclonal targets Phospho-eEF2 (Thr56)

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

Defining Citation: [PMID:28685837](#), [PMID:22987813](#)

Antibody ID: AB_10015204

Vendor: Cell Signaling Technology

Catalog Number: 2331

Alternative Catalog Numbers: 2331S

Record Creation Time: 20250820T042348+0000

Record Last Update: 20250820T185151+0000

Ratings and Alerts

No rating or validation information has been found for Phospho-eEF2 (Thr56) Antibody.

No alerts have been found for Phospho-eEF2 (Thr56) Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 30 mentions in open access literature.

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

Seluzicki CM, et al. (2025) Regulation of translation elongation and integrated stress response in heat-shocked neurons. *Cell reports*, 44(5), 115639.

Smith PR, et al. (2025) eEF2K regulates pain through translational control of BDNF. *Molecular cell*, 85(4), 756.

Chapman CA, et al. (2025) Increased NMDAR activity and GluN2A-NMDAR silent synapse expansion induced by chronic benzodiazepine treatment. *Neuropharmacology*, 279, 110624.

Issa F, et al. (2025) Conditional deletion of TRPC1 channel modulates synaptic plasticity, long term depression, and memory extinction in Fragile X syndrome mice. *iScience*, 28(8), 113085.

Hacisuleyman E, et al. (2024) Neuronal activity rapidly reprograms dendritic translation via eIF4G2:uORF binding. *Nature neuroscience*, 27(5), 822.

Miquel-Rio L, et al. (2024) ER stress in mouse serotonin neurons triggers a depressive phenotype alleviated by ketamine targeting eIF2 γ signaling. *iScience*, 27(5), 109787.

Castillo Díaz F, et al. (2023) Recency memory is altered in cocaine-withdrawn adolescent rats: Implication of cortical mTOR signaling. *Progress in neuro-psychopharmacology & biological psychiatry*, 127, 110822.

Jana S, et al. (2023) Transcriptional-translational conflict is a barrier to cellular transformation and cancer progression. *Cancer cell*, 41(5), 853.

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.

Fernando S, et al. (2022) Eukaryotic elongation factor 2 kinase regulates foam cell formation via translation of CD36. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 36(2), e22154.

Wnorowski A, et al. (2022) Deprogramming metabolism in pancreatic cancer with a bi-functional GPR55 inhibitor and biased β_2 adrenergic agonist. *Scientific reports*, 12(1), 3618.

Jakobsgaard JE, et al. (2022) Protein signalling in response to ex vivo dynamic contractions is independent of training status in rat skeletal muscle. *Experimental physiology*, 107(8), 919.

Zhou Q, et al. (2022) Energy sensor AMPK gamma regulates translation via phosphatase PPP6C independent of AMPK alpha. *Molecular cell*, 82(24), 4700.

Shen Y, et al. (2021) PQBP1 promotes translational elongation and regulates hippocampal mGluR-LTD by suppressing eEF2 phosphorylation. *Molecular cell*, 81(7), 1425.

Jakobsgaard JE, et al. (2021) Skeletal muscle phenotype signaling with ex vivo endurance-type dynamic contractions in rat muscle. *Journal of applied physiology* (Bethesda, Md. : 1985), 131(1), 45.

Knight JR, et al. (2021) Rpl24Bst mutation suppresses colorectal cancer by promoting eEF2 phosphorylation via eEF2K. *eLife*, 10.

Salvador AF, et al. (2021) Early resistance training-mediated stimulation of daily muscle protein synthetic responses to higher habitual protein intake in middle-aged adults. *The Journal of physiology*, 599(18), 4287.

Rudar M, et al. (2021) Intermittent bolus feeding does not enhance protein synthesis, myonuclear accretion, or lean growth more than continuous feeding in a premature piglet model. *American journal of physiology. Endocrinology and metabolism*, 321(6), E737.

Suzuki K, et al. (2021) Convergence of distinct signaling pathways on synaptic scaling to trigger rapid antidepressant action. *Cell reports*, 37(5), 109918.

Paulussen KJM, et al. (2021) Dileucine ingestion is more effective than leucine in stimulating muscle protein turnover in young males: a double blind randomized controlled trial. *Journal of applied physiology* (Bethesda, Md. : 1985), 131(3), 1111.