Resource Summary Report

Generated by dkNET on Aug 3, 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 dkNET .

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.

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

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

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 (2023) Recency memory is altered in cocaine-withdrawn adolescent rats: Implication of cortical mTOR signaling.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.

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.

Wnorowski A, et al. (2022) Deprogramming metabolism in pancreatic cancer with a bi-functional GPR55 inhibitor and biased ?2 adrenergic agonist. Scientific reports, 12(1), 3618.

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.

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.

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

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.