

Resource Summary Report

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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: 20231110T053917+0000

Record Last Update: 20241115T105412+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 29 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

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.

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 (2023) Recency memory is altered in cocaine-withdrawn adolescent rats: Implication of cortical mTOR signaling.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

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 γ regulates translation via phosphatase PPP6C independent of AMPK α . *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.

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.

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.

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.

Ludwik KA, et al. (2020) RSK2 Maintains Adult Estrogen Homeostasis by Inhibiting ERK1/2-Mediated Degradation of Estrogen Receptor Alpha. *Cell reports*, 32(3), 107931.

Stokes T, et al. (2020) Molecular Transducers of Human Skeletal Muscle Remodeling under Different Loading States. *Cell reports*, 32(5), 107980.

Minnock D, et al. (2020) Effects of acute aerobic, resistance and combined exercises on 24-h glucose variability and skeletal muscle signalling responses in type 1 diabetics. *European journal of applied physiology*, 120(12), 2677.

Sullivan BP, et al. (2020) Skeletal muscle IGF-1 is lower at rest and after resistance exercise in humans with obesity. *European journal of applied physiology*, 120(12), 2835.