

Resource Summary Report

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

Phospho-eIF2alpha (Ser51) Antibody

RRID:AB_330951

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 9721, RRID:AB_330951

Antibody Information

URL: http://antibodyregistry.org/AB_330951

Proper Citation: Cell Signaling Technology Cat# 9721, RRID:AB_330951

Target Antigen: Phospho-eIF2alpha (Ser51)

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: W. Consolidation on 9/2016: AB_330952.

Antibody Name: Phospho-eIF2alpha (Ser51) Antibody

Description: This polyclonal targets Phospho-eIF2alpha (Ser51)

Target Organism: rat, h, dm, m, mouse, r, non-human primate, drosophila/arthropod, human, mk

Antibody ID: AB_330951

Vendor: Cell Signaling Technology

Catalog Number: 9721

Alternative Catalog Numbers: 9721S, 9721L

Record Creation Time: 20250820T051549+0000

Record Last Update: 20250820T211107+0000

Ratings and Alerts

No rating or validation information has been found for Phospho-eIF2alpha (Ser51) Antibody.

No alerts have been found for Phospho-eIF2alpha (Ser51) Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 140 mentions in open access literature.

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

Adachi Y, et al. (2026) Chronic stress antagonizes formation of stress granules. iScience, 29(1), 114556.

Alhourani F, et al. (2026) Targeting SUV4-20H Epigenetic Enzymes Enhances Topoisomerase II Poisoning in Prostate Cancer. Cancer research, 86(1), 236.

Zheng Z, et al. (2026) Targeting PGAM5-driven mitochondrial integrated stress response slows ALS progression across subtypes. Neuron, 114(12), 2109.

Jeffries MA, et al. (2026) Exposure to Frontline Antiretroviral Dolutegravir Disrupts Oligodendrocyte Development Across Differentiation Stages. ASN neuro, 18(1), 2647877.

Jing J, et al. (2026) Recombinant tissue plasminogen activator protects neurons after intracerebral hemorrhage through activating the PI3K/AKT/mTOR pathway. Neural regeneration research, 21(4), 1574.

Marini C, et al. (2026) The pivotal role of endoplasmic reticulum in cancer glucose metabolism. iScience, 29(1), 114503.

Xu Y, et al. (2026) IRE1 β regulates macrophage phagocytosis in immune thrombocytopenia through NR1D1 mRNA decay and lysosomal biogenesis. Cell reports, 45(3), 117083.

Xie A, et al. (2026) Citrate clearance is a major function of aconitase 2 in the canonical TCA cycle. Cell, 189(9), 2684.

Chen B, et al. (2026) BRD4-mediated ER membrane contact creates functionally distinct mitochondrial subtypes. Molecular cell, 86(5), 917.

Batistuzzo A, et al. (2025) FVB But Not B6 Mice Carrying the Thr92Ala-Dio2 Polymorphism Have Impaired Thyroid Hormonogenesis and Goiter. Endocrinology, 166(5).

Tsuneki H, et al. (2025) Bromocriptine improves glucose tolerance in obese mice via central dopamine D2 receptor-independent mechanism. PloS one, 20(3), e0320157.

Saleme B, et al. (2025) Hyperacute response proteins synthesized on γ -tubulin-FTO-MARK4 translation microdomains regulate cancer's acute stress response. *Cell reports*, 44(7), 115871.

Malik V, et al. (2025) Multiomics reveal biomolecular shifts and ER stress in sleep-restricted women affecting NSC functions. *iScience*, 28(5), 112510.

Han B, et al. (2025) 5' UTR-mediated retention of eIF3 on 80S ribosomes promotes co-translational folding of ER membrane proteins. *Cell reports*, 44(12), 116662.

Liu Y, et al. (2025) Mechanism by which the molecular glue-like verteporfin induces IRE1 α dimerization and activation to synergize with AKT inhibition in breast cancer. *Cell chemical biology*, 32(6), 854.

Tenedini FM, et al. (2025) Inflammatory cytokine upd3 induces axon length-dependent synapse removal by glia. *Proceedings of the National Academy of Sciences of the United States of America*, 122(21), e2422752122.

Flury A, et al. (2025) A neurodegenerative cellular stress response linked to dark microglia and toxic lipid secretion. *Neuron*, 113(4), 554.

Alicea Pauneto CDM, et al. (2025) Intra-tumoral hypoxia promotes CD8 $^{+}$ T cell dysfunction via chronic activation of integrated stress response transcription factor ATF4. *Immunity*.

Wu CY, et al. (2025) Glucose restriction shapes pre-metastatic innate immune landscapes in the lung through exosomal TRAIL. *Cell*.

Lorenzo-Martín LF, et al. (2025) Ribosomal protein deficiencies linked to Diamond-Blackfan anemia induce distinctive alterations of ATF4 expression. *iScience*, 28(4), 112138.