

Resource Summary Report

Generated by [RRID](#) on Aug 9, 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 [RRID](#) .

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

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

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.

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

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

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

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

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

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

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 γ 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.

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

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*.

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