

Resource Summary Report

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Phosphorylated eukaryotic translation initiation factor 2 subunit 1

RRID:AB_732117

Type: Antibody

Proper Citation

(Abcam Cat# ab32157, RRID:AB_732117)

Antibody Information

URL: http://antibodyregistry.org/AB_732117

Proper Citation: (Abcam Cat# ab32157, RRID:AB_732117)

Target Antigen: A synthetic phospho-peptide corresponding to residues surrounding Ser51 of human EIF2S1.

Host Organism: rabbit

Clonality: monoclonal

Comments: Used By NYUIHC-1441

Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE

Antibody Name: Phosphorylated eukaryotic translation initiation factor 2 subunit 1

Description: This monoclonal targets A synthetic phospho-peptide corresponding to residues surrounding Ser51 of human EIF2S1.

Clone ID: [E90]

Antibody ID: AB_732117

Vendor: Abcam

Catalog Number: ab32157

Record Creation Time: 20231110T043443+0000

Record Last Update: 20241115T060622+0000

Ratings and Alerts

- Independent validation by the NYU Langone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE - NYU Langone's Center for Biospecimen Research and Development
<https://med.nyu.edu/research/scientific-cores-shared-resources/center-biospecimen-research-development>

No alerts have been found for Phosphorylated eukaryotic translation initiation factor 2 subunit 1.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 64 mentions in open access literature.

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

Cordova RA, et al. (2024) Coordination between the eIF2 kinase GCN2 and p53 signaling supports purine metabolism and the progression of prostate cancer. Science signaling, 17(864), eadp1375.

Liu Y, et al. (2024) Translocational attenuation mediated by the PERK-SRP14 axis is a protective mechanism of unfolded protein response. Cell reports, 43(7), 114402.

Zhang Q, et al. (2024) Shigella induces stress granule formation by ADP-ribosylation of the eIF3 complex. Cell reports, 43(2), 113789.

Gong X, et al. (2024) GABAergic interneurons in the hippocampal CA1 mediate contextual fear generalization in PTSD rats. Journal of neurochemistry, 168(9), 2587.

Sinha NK, et al. (2024) The ribotoxic stress response drives UV-mediated cell death. Cell, 187(14), 3652.

Amiri M, et al. (2024) Impact of eIF2 γ phosphorylation on the translational landscape of mouse embryonic stem cells. *Cell reports*, 43(1), 113615.

Rivera M, et al. (2024) Malignant A-to-I RNA editing by ADAR1 drives T cell acute lymphoblastic leukemia relapse via attenuating dsRNA sensing. *Cell reports*, 43(2), 113704.

Fatalska A, et al. (2024) Recruitment of trimeric eIF2 by phosphatase non-catalytic subunit PPP1R15B. *Molecular cell*, 84(3), 506.

Marques M, et al. (2024) Influenza A virus propagation requires the activation of the unfolded protein response and the accumulation of insoluble protein aggregates. *iScience*, 27(3), 109100.

Cottrell KA, et al. (2024) Induction of Viral Mimicry Upon Loss of DHX9 and ADAR1 in Breast Cancer Cells. *Cancer research communications*, 4(4), 986.

Karasik A, et al. (2024) Endonucleolytic RNA cleavage drives changes in gene expression during the innate immune response. *Cell reports*, 43(6), 114287.

Ma B, et al. (2023) LINC00886 Negatively Regulates Malignancy in Anaplastic Thyroid Cancer. *Endocrinology*, 164(4).

Chen T, et al. (2023) Global translational induction during NLR-mediated immunity in plants is dynamically regulated by CDC123, an ATP-sensitive protein. *Cell host & microbe*, 31(3), 334.

Sabbarini IM, et al. (2023) Zinc-finger protein Zpr1 is a bespoke chaperone essential for eEF1A biogenesis. *Molecular cell*, 83(2), 252.

Campbell AE, et al. (2023) Compromised nonsense-mediated RNA decay results in truncated RNA-binding protein production upon DUX4 expression. *Cell reports*, 42(6), 112642.

Müller MBD, et al. (2023) Mechanisms of readthrough mitigation reveal principles of GCN1-mediated translational quality control. *Cell*, 186(15), 3227.

Meydan S, et al. (2023) The ubiquitin conjugase Rad6 mediates ribosome pausing during oxidative stress. *Cell reports*, 42(11), 113359.

Fan Q, et al. (2023) Brain injury triggers cell-type-specific and time-dependent endoplasmic reticulum stress responses. *Glia*, 71(3), 667.

Piñeros AR, et al. (2022) Proinflammatory signaling in islet β cells propagates invasion of pathogenic immune cells in autoimmune diabetes. *Cell reports*, 39(13), 111011.

Kalkavan H, et al. (2022) Sublethal cytochrome c release generates drug-tolerant persister cells. *Cell*, 185(18), 3356.