

Resource Summary Report

Generated by PRECISE-TBI on Sep 4, 2026

eIF4G Antibody

RRID:AB_2096025

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 2498, RRID:AB_2096025

Antibody Information

URL: http://antibodyregistry.org/AB_2096025

Proper Citation: Cell Signaling Technology Cat# 2498, RRID:AB_2096025

Target Antigen: Human eIF4G sequence

Host Organism: rabbit

Clonality: unknown

Comments: Applications: W, IHC-P, IF-IC, F. Consolidation on 10/2018: AB_10692643, AB_2096025. Info: Used By NYUIHC-583.

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: eIF4G Antibody

Description: This unknown targets Human eIF4G sequence

Target Organism: rat, mouse, human

Antibody ID: AB_2096025

Vendor: Cell Signaling Technology

Catalog Number: 2498

Record Creation Time: 20231110T044106+0000

Record Last Update: 20260831T231229+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 eIF4G Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Meng X, et al. (2026) Chaperonin TRiC bridges radial spokes for folding locally translated proteins to sustain mammalian sperm flagellar motility. *Molecular cell*, 86(7), 1327.

Zinn KM, et al. (2026) Enterovirus D68 2A protease causes nuclear pore complex dysfunction and independently contributes to motor neuron toxicity. *eLife*, 14.

Baehr LM, et al. (2025) Response of UBR-box E3 ubiquitin ligases and protein quality control pathways to perturbations in protein synthesis and skeletal muscle size. *bioRxiv* : the preprint server for biology.

Baehr LM, et al. (2025) Response of UBR-box E3 ubiquitin ligases and protein quality control pathways to perturbations in protein synthesis and skeletal muscle size. *American journal of physiology. Cell physiology*, 329(6), C1706.

Volegova MP, et al. (2024) The MYCN 5' UTR as a therapeutic target in neuroblastoma. *Cell reports*, 43(5), 114134.

Danieli A, et al. (2023) Sequestration of translation initiation factors in p62 condensates. *Cell reports*, 42(12), 113583.

Schaeffer J, et al. (2023) Customization of the translational complex regulates mRNA-specific translation to control CNS regeneration. *Neuron*, 111(18), 2881.

Patil S, et al. (2023) eIF4E phosphorylation recruits β -catenin to mRNA cap and promotes Wnt pathway translation in dentate gyrus LTP maintenance. *iScience*, 26(5), 106649.

Fonteneau G, et al. (2022) Stress Granules Determine the Development of Obesity-Associated Pancreatic Cancer. *Cancer discovery*, 12(8), 1984.

Sun L, et al. (2021) The oncomicropeptide APPLE promotes hematopoietic malignancy by enhancing translation initiation. *Molecular cell*, 81(21), 4493.

Lopacinski AB, et al. (2021) Modeling the complete kinetics of coxsackievirus B3 reveals human determinants of host-cell feedback. *Cell systems*, 12(4), 304.

Gonatopoulos-Pournatzis T, et al. (2020) Autism-Misregulated eIF4G Microexons Control Synaptic Translation and Higher Order Cognitive Functions. *Molecular cell*, 77(6), 1176.

Chu J, et al. (2020) Rocaglates Induce Gain-of-Function Alterations to eIF4A and eIF4F. *Cell reports*, 30(8), 2481.

Lo LH, et al. (2020) The Protein Arginine Methyltransferase PRMT8 and Substrate G3BP1 Control Rac1-PAK1 Signaling and Actin Cytoskeleton for Dendritic Spine Maturation. *Cell reports*, 31(10), 107744.

Mitchell DC, et al. (2019) Chemoproteomic Profiling Uncovers CDK4-Mediated Phosphorylation of the Translational Suppressor 4E-BP1. *Cell chemical biology*, 26(7), 980.

Boulas K, et al. (2019) Identification of the m6Am Methyltransferase PCIF1 Reveals the Location and Functions of m6Am in the Transcriptome. *Molecular cell*, 75(3), 631.

Rath S, et al. (2019) Concerted 2-5A-Mediated mRNA Decay and Transcription Reprogram Protein Synthesis in the dsRNA Response. *Molecular cell*, 75(6), 1218.

Ng PK, et al. (2018) Systematic Functional Annotation of Somatic Mutations in Cancer. *Cancer cell*, 33(3), 450.

Staring J, et al. (2018) KREMEN1 Is a Host Entry Receptor for a Major Group of Enteroviruses. *Cell host & microbe*, 23(5), 636.