

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://fdi-lab.sci-crunch.org) on May 2, 2025

ATF4-human

RRID:AB_2616025

Type: Antibody

Proper Citation

(Cell Signaling Technology Cat# 11815, RRID:AB_2616025)

Antibody Information

URL: http://antibodyregistry.org/AB_2616025

Proper Citation: (Cell Signaling Technology Cat# 11815, RRID:AB_2616025)

Target Antigen: ATF4

Host Organism: rabbit

Clonality: monoclonal

Comments: ENCODE PROJECT External validation DATA SET is released testing lot 2 for HepG2,MCF-7,HEK293T,K562; status is pending dcc review,awaiting lab characterization

Antibody Name: ATF4-human

Description: This monoclonal targets ATF4

Target Organism: homo sapiens

Antibody ID: AB_2616025

Vendor: Cell Signaling Technology

Catalog Number: 11815

Alternative Catalog Numbers: ENCAB306IYD

Record Creation Time: 20241016T223218+0000

Record Last Update: 20241016T230429+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: 2 is available under ENCODE ID: ENCAB306IYD - ENCODE <https://www.encodeproject.org/antibodies/ENCAB306IYD>

No alerts have been found for ATF4-human.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 159 mentions in open access literature.

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

Dunlap KN, et al. (2025) SLC7A5 is required for cancer cell growth under arginine-limited conditions. Cell reports, 44(1), 115130.

Zheng J, et al. (2025) Endoplasmic reticulum stress and autophagy in cerebral ischemia/reperfusion injury: PERK as a potential target for intervention. Neural regeneration research, 20(5), 1455.

Chakrabarty Y, et al. (2024) The HRI branch of the integrated stress response selectively triggers mitophagy. Molecular cell, 84(6), 1090.

De Leo A, et al. (2024) Glucose-driven histone lactylation promotes the immunosuppressive activity of monocyte-derived macrophages in glioblastoma. Immunity, 57(5), 1105.

Cai C, et al. (2024) NRAS Mutant Dictates AHCYL1-Governed ER Calcium Homeostasis for Melanoma Tumor Growth. Molecular cancer research : MCR, 22(4), 386.

Xu F, et al. (2024) Deciphering ER stress-unfolded protein response relationship by visualizing unfolded proteins in the ER. Cell reports, 43(6), 114358.

Luo JH, et al. (2024) PDIA3 defines a novel subset of adipose macrophages to exacerbate the development of obesity and metabolic disorders. Cell metabolism, 36(10), 2262.

Zou Z, et al. (2024) ATF4-SLC7A11-GSH axis mediates the acquisition of immunosuppressive properties by activated CD4+ T cells in low arginine condition. Cell reports, 43(4), 113995.

Liu K, et al. (2024) A beneficial adaptive role for CHOP in driving cell fate selection during ER stress. EMBO reports, 25(1), 228.

Nelson AT, et al. (2024) Glucose hypometabolism prompts RAN translation and exacerbates

C9orf72-related ALS/FTD phenotypes. *EMBO reports*, 25(5), 2479.

Vanhoutte D, et al. (2024) Thbs1 regulates skeletal muscle mass in a TGF β -Smad2/3-ATF4-dependent manner. *Cell reports*, 43(5), 114149.

Dheeraj A, et al. (2024) Inhibition of protein translational machinery in triple-negative breast cancer as a promising therapeutic strategy. *Cell reports. Medicine*, 5(5), 101552.

Smirnova AM, et al. (2024) Stem-loop-induced ribosome queuing in the uORF2/ATF4 overlap fine-tunes stress-induced human ATF4 translational control. *Cell reports*, 43(4), 113976.

Cao T, et al. (2024) Cancer SLC6A6-mediated taurine uptake transactivates immune checkpoint genes and induces exhaustion in CD8⁺ T cells. *Cell*, 187(9), 2288.

Hacisuleyman E, et al. (2024) Neuronal activity rapidly reprograms dendritic translation via eIF4G2:uORF binding. *Nature neuroscience*, 27(5), 822.

Fan H, et al. (2024) Osteoclast Cancer Cell Metabolic Cross-talk Confers PARP Inhibitor Resistance in Bone Metastatic Breast Cancer. *Cancer research*, 84(3), 449.

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.

Vincent AE, et al. (2024) A stagewise response to mitochondrial dysfunction in mitochondrial DNA maintenance disorders. *Biochimica et biophysica acta. Molecular basis of disease*, 1870(5), 167131.

Shiga Y, et al. (2024) Endoplasmic reticulum stress-related deficits in calcium clearance promote neuronal dysfunction that is prevented by SERCA2 gene augmentation. *Cell reports. Medicine*, 5(12), 101839.

Chang CF, et al. (2024) Brown adipose tissue CoQ deficiency activates the integrated stress response and FGF21-dependent mitohormesis. *The EMBO journal*, 43(2), 168.