

Resource Summary Report

Generated by [dkNET](#) on Jul 31, 2026

Nrf2 antibody

RRID:AB_881705

Type: Antibody

Proper Citation

Abcam Cat# ab31163, RRID:AB_881705

Antibody Information

URL: http://antibodyregistry.org/AB_881705

Proper Citation: Abcam Cat# ab31163, RRID:AB_881705

Target Antigen: Nrf2 antibody

Host Organism: rabbit

Clonality: polyclonal

Comments: validation status unknown, seller recommendations provided in 2012:
Western Blot; Immunohistochemistry - frozen; Immunohistochemistry;
Immunocytochemistry; Immunohistochemistry - fixed; Immunofluorescence; ICC/IF, IHC-
Fr, IHC-P, WB

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

Antibody Name: Nrf2 antibody

Description: This polyclonal targets Nrf2 antibody

Target Organism: rat, mouse, human

Antibody ID: AB_881705

Vendor: Abcam

Catalog Number: ab31163

Record Creation Time: 20250820T062738+0000

Record Last Update: 20250821T001026+0000

Ratings and Alerts

- Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, 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 Nrf2 antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

De Luca F, et al. (2025) Osteogenesis Imperfecta: A Look into the Cerebellum of the Brl Murine Model. Molecular neurobiology, 62(12), 15609.

Amoushahi M, et al. (2025) Trigonelline activates NRF2 and awakens dormant ovarian follicles to promote pregnancy in aging mice. iScience, 28(11), 113717.

Sipos A, et al. (2025) Ursodeoxycholic acid prompts glycolytic dominance, reductive stress and epithelial-to-mesenchymal transition in ovarian cancer cells through NRF2 activation. Cell death discovery, 11(1), 134.

Miao ZF, et al. (2024) Metaplastic regeneration in the mouse stomach requires a reactive oxygen species pathway. Developmental cell, 59(9), 1175.

Ulloa M, et al. (2024) Prolactin is an Endogenous Antioxidant Factor in Astrocytes That Limits Oxidative Stress-Induced Astrocytic Cell Death via the STAT3/NRF2 Signaling Pathway. Neurochemical research, 49(7), 1879.

Sandouka S, et al. (2023) Nrf2 is expressed more extensively in neurons than in astrocytes following an acute epileptic seizure in rats. Journal of neurochemistry, 165(4), 550.

Kim HH, et al. (2023) xCT-mediated glutamate excretion in white adipocytes stimulates interferon- γ production by natural killer cells in obesity. Cell reports, 42(6), 112636.

Xia Q, et al. (2023) Peroxiredoxin 2 is required for the redox mediated adaptation to exercise. Redox biology, 60, 102631.

- Roda E, et al. (2023) Cognitive Healthy Aging in Mice: Boosting Memory by an Ergothioneine-Rich *Herichium erinaceus* Primordium Extract. *Biology*, 12(2).
- Yang X, et al. (2022) Very-low-density lipoprotein receptor-enhanced lipid metabolism in pancreatic stellate cells promotes pancreatic fibrosis. *Immunity*, 55(7), 1185.
- Eisenstein A, et al. (2022) Activation of the transcription factor NRF2 mediates the anti-inflammatory properties of a subset of over-the-counter and prescription NSAIDs. *Immunity*, 55(6), 1082.
- Meseguer-Ripolles J, et al. (2021) Dimethyl fumarate reduces hepatocyte senescence following paracetamol exposure. *iScience*, 24(6), 102552.
- Zhang XS, et al. (2021) Astaxanthin ameliorates oxidative stress and neuronal apoptosis via SIRT1/NRF2/Prx2/ASK1/p38 after traumatic brain injury in mice. *British journal of pharmacology*, 178(5), 1114.
- Liao S, et al. (2020) A novel compound DBZ ameliorates neuroinflammation in LPS-stimulated microglia and ischemic stroke rats: Role of Akt(Ser473)/GSK3 β (Ser9)-mediated Nrf2 activation. *Redox biology*, 36, 101644.
- Qi W, et al. (2020) (+)-Usnic Acid Induces ROS-dependent Apoptosis via Inhibition of Mitochondria Respiratory Chain Complexes and Nrf2 Expression in Lung Squamous Cell Carcinoma. *International journal of molecular sciences*, 21(3).
- Chen X, et al. (2019) Diosmetin induces apoptosis and enhances the chemotherapeutic efficacy of paclitaxel in non-small cell lung cancer cells via Nrf2 inhibition. *British journal of pharmacology*, 176(12), 2079.
- Choi WM, et al. (2019) Glutamate Signaling in Hepatic Stellate Cells Drives Alcoholic Steatosis. *Cell metabolism*, 30(5), 877.
- Zhao S, et al. (2018) Nrf2 Deficiency Upregulates Intrarenal Angiotensin-Converting Enzyme-2 and Angiotensin 1-7 Receptor Expression and Attenuates Hypertension and Nephropathy in Diabetic Mice. *Endocrinology*, 159(2), 836.
- Ghosh A, et al. (2017) Insulin Inhibits Nrf2 Gene Expression via Heterogeneous Nuclear Ribonucleoprotein F/K in Diabetic Mice. *Endocrinology*, 158(4), 903.
- Barone E, et al. (2015) Basal brain oxidative and nitrative stress levels are finely regulated by the interplay between superoxide dismutase 2 and p53. *Journal of neuroscience research*, 93(11), 1728.