

Resource Summary Report

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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

Host Organism: rabbit

Clonality: polyclonal

Comments: validation status unknown, seller recommendations provided in 2012: Immunocytochemistry; Immunofluorescence; Immunohistochemistry; Western Blot; Immunocytochemistry/Immunofluorescence, Immunohistochemistry-P, Western Blot
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

Target Organism: rat, mouse, human

Antibody ID: AB_881705

Vendor: Abcam

Catalog Number: ab31163

Record Creation Time: 20250820T054805+0000

Record Last Update: 20250820T222943+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 21 mentions in open access literature.

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

Corli G, et al. (2026) 4,4'-DMAR in-vivo acute cardiotoxicity: differences between (±)cis-4,4'-DMAR and its coadministration with the (±)trans-4,4'-DMAR isomer. *Frontiers in cardiovascular medicine*, 13, 1763456.

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.

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.

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.

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.