Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 15, 2024

B6.129X1-Nfe2l2^{tm1Ywk}/J

RRID:IMSR_JAX:017009
Type: Organism

Proper Citation

RRID:IMSR_JAX:017009

Organism Information

URL: https://www.jax.org/strain/017009

Proper Citation: RRID:IMSR_JAX:017009

Description: Mus musculus with name B6.129X1-Nfe2l2^{tm1Ywk}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: nuclear factor; erythroid derived 2; like 2; mutant strain|congenic strain: Nfe2l2

Affected Gene: nuclear factor; erythroid derived 2; like 2

Genomic Alteration: targeted mutation 1; Yuet Wai Kan

Catalog Number: JAX:017009

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

Organism Name: B6.129X1-Nfe2l2^{tm1Ywk}/J

Ratings and Alerts

No rating or validation information has been found for B6.129X1-Nfe2l2^{tm1Ywk}/J.

No alerts have been found for B6.129X1-Nfe2l2^{tm1Ywk}/J.

Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 106 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Chihara K, et al. (2023) Macrophage specific restoration of the Nrf2 gene in whole-body knockout mice ameliorates steatohepatitis induced by lipopolysaccharide from Porphyromonas gingivalis through enhanced hepatic clearance. PloS one, 18(10), e0291880.

Esteras N, et al. (2023) Nrf2 regulates glucose uptake and metabolism in neurons and astrocytes. Redox biology, 62, 102672.

Malakoutikhah Z, et al. (2023) The dual role of Nrf2 in melanoma: a systematic review. BMC molecular and cell biology, 24(1), 5.

Song Y, et al. (2023) Azithromycin ameliorated cigarette smoke-induced airway epithelial barrier dysfunction by activating Nrf2/GCL/GSH signaling pathway. Respiratory research, 24(1), 69.

Shimizu R, et al. (2023) Nrf2 alleviates spaceflight-induced immunosuppression and thrombotic microangiopathy in mice. Communications biology, 6(1), 875.

Naguib S, et al. (2023) NRF2/ARE mediated antioxidant response to glaucoma: role of glia and retinal ganglion cells. Acta neuropathologica communications, 11(1), 171.

Kidokoro K, et al. (2023) Insights into the Regulation of GFR by the Keap1-Nrf2 Pathway. Kidney360, 4(10), 1454.

Palomino-Antolín A, et al. (2023) Redox Regulation of Microglial Inflammatory Response: Fine Control of NLRP3 Inflammasome through Nrf2 and NOX4. Antioxidants (Basel, Switzerland), 12(9).

Yang X, et al. (2023) SIRT2 inhibition protects against cardiac hypertrophy and ischemic injury. eLife, 12.

Vaikunthanathan T, et al. (2023) Dysregulated anti-oxidant signalling and compromised mitochondrial integrity negatively influence regulatory T cell function and viability in liver disease. EBioMedicine, 95, 104778.

Chen X, et al. (2023) Under peroxisome proliferation acyl-CoA oxidase coordinates with

catalase to enhance ethanol metabolism. Free radical biology & medicine, 208, 221.

Liu JX, et al. (2022) MiR-125b attenuates retinal pigment epithelium oxidative damage via targeting Nrf2/HIF-1? signal pathway. Experimental cell research, 410(1), 112955.

Zhang G, et al. (2022) Sulforaphane Does Not Protect Right Ventricular Systolic and Diastolic Functions in Nrf2 Knockout Pulmonary Artery Hypertension Mice. Cardiovascular drugs and therapy, 36(3), 425.

Mei L, et al. (2022) Fibroblast growth factor 7 alleviates myocardial infarction by improving oxidative stress via PI3K?/AKT-mediated regulation of Nrf2 and HXK2. Redox biology, 56, 102468.

Casares L, et al. (2022) The synthetic triterpenoids CDDO-TFEA and CDDO-Me, but not CDDO, promote nuclear exclusion of BACH1 impairing its activity. Redox biology, 51, 102291.

Yan X, et al. (2022) Nrf2 contributes to the benefits of exercise interventions on age-related skeletal muscle disorder via regulating Drp1 stability and mitochondrial fission. Free radical biology & medicine, 178, 59.

Ryan DG, et al. (2022) Nrf2 activation reprograms macrophage intermediary metabolism and suppresses the type I interferon response. iScience, 25(2), 103827.

Ma C, et al. (2022) Anti-fatigue effect of phlorizin on exhaustive exercise-induced oxidative injury mediated by Nrf2/ARE signaling pathway in mice. European journal of pharmacology, 918, 174563.

Zhang Y, et al. (2022) Pirin, an Nrf2-Regulated Protein, Is Overexpressed in Human Colorectal Tumors. Antioxidants (Basel, Switzerland), 11(2).

Kubo Y, et al. (2022) Nuclear factor erythroid 2-related factor 2 (Nrf2) deficiency causes age-dependent progression of female osteoporosis. BMC musculoskeletal disorders, 23(1), 1015.