Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 30, 2025

WF/IcoCrl

RRID:RGD_2312511
Type: Organism

Proper Citation

RRID:RGD_2312511

Organism Information

URL: https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=2312511

Proper Citation: RRID:RGD_2312511

Description: Rattus norvegicus with name WF/IcoCrl from RGD.

Species: Rattus norvegicus

Notes: Furth developed this strain at Roswell Park Memorial Institute, Buffalo, NY, USA in 1945 starting from a commercial colony of Wistar rats. Acquired by Charles River from the MIcrobiological Associates, Bethesda, Maryland, USA. Introduced to Charles River France in 1970. Charles River Laboratories

Catalog Number: 2312511

Background: inbred

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Organism Name: WF/IcoCrl

Record Creation Time: 20230509T191939+0000

Record Last Update: 20250420T053216+0000

Ratings and Alerts

No rating or validation information has been found for WF/IcoCrl.

No alerts have been found for WF/IcoCrl.

Data and Source Information

Source: Integrated Animals

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Kitchener EJA, et al. (2023) Activated microglia release ?-galactosidase that promotes inflammatory neurodegeneration. Frontiers in aging neuroscience, 15, 1327756.

Garsen M, et al. (2023) Peroxisome proliferator-activated receptor ? agonist mediated inhibition of heparanase expression reduces proteinuria. EBioMedicine, 90, 104506.

Reid KM, et al. (2022) Brain Cells Release Calreticulin That Attracts and Activates Microglia, and Inhibits Amyloid Beta Aggregation and Neurotoxicity. Frontiers in immunology, 13, 859686.

Orciani C, et al. (2022) Long-term nucleus basalis cholinergic depletion induces attentional deficits and impacts cortical neurons and BDNF levels without affecting the NGF synthesis. Journal of neurochemistry, 163(2), 149.

Mao LM, et al. (2021) Roles of adenosine A1 receptors in the regulation of SFK activity in the rat forebrain. Brain and behavior, 11(8), e2254.

Puigdellívol M, et al. (2021) The microglial P2Y6 receptor mediates neuronal loss and memory deficits in neurodegeneration. Cell reports, 37(13), 110148.

Koos K, et al. (2021) Automatic deep learning-driven label-free image-guided patch clamp system. Nature communications, 12(1), 936.

Malkani S, et al. (2020) Circulating miRNA Spaceflight Signature Reveals Targets for Countermeasure Development. Cell reports, 33(10), 108448.

Allendorf DH, et al. (2020) Lipopolysaccharide activates microglia via neuraminidase 1 desialylation of Toll-like Receptor 4. Journal of neurochemistry, 155(4), 403.

Mir FR, et al. (2020) Gonadal hormone-independent sex differences in GABAA receptor activation in rat embryonic hypothalamic neurons. British journal of pharmacology, 177(13),

3075.

Martelli A, et al. (2020) Erucin exhibits vasorelaxing effects and antihypertensive activity by H2 S-releasing properties. British journal of pharmacology, 177(4), 824.

Mao LM, et al. (2020) Linkage of Non-receptor Tyrosine Kinase Fyn to mGlu5 Receptors in Striatal Neurons in a Depression Model. Neuroscience, 433, 11.

Crunfli F, et al. (2019) Cannabinoid Receptor Type 1 Agonist ACEA Improves Cognitive Deficit on STZ-Induced Neurotoxicity Through Apoptosis Pathway and NO Modulation. Neurotoxicity research, 35(3), 516.

Crunfli F, et al. (2018) NO-Dependent Akt Inactivation by S-Nitrosylation as a Possible Mechanism of STZ-Induced Neuronal Insulin Resistance. Journal of Alzheimer's disease : JAD, 65(4), 1427.

Mao LM, et al. (2018) Alterations in mGlu5 receptor expression and function in the striatum in a rat depression model. Journal of neurochemistry, 145(4), 287.

Rempe RG, et al. (2018) Matrix Metalloproteinase-Mediated Blood-Brain Barrier Dysfunction in Epilepsy. The Journal of neuroscience : the official journal of the Society for Neuroscience, 38(18), 4301.

Fekete CD, et al. (2017) In vivo transgenic expression of collybistin in neurons of the rat cerebral cortex. The Journal of comparative neurology, 525(5), 1291.

Vibhuti , et al. (2017) Intra-arterial transplantation of human bone marrow mesenchymal stem cells (hBMMSCs) improves behavioral deficits and alters gene expression in rodent stroke model. Journal of neurochemistry, 143(6), 722.

Averkin RG, et al. (2016) Identified Cellular Correlates of Neocortical Ripple and High-Gamma Oscillations during Spindles of Natural Sleep. Neuron, 92(4), 916.

Colín-Castelán D, et al. (2016) Differential vascular permeability along the forebrain ventricular neurogenic niche in the adult murine brain. Journal of neuroscience research, 94(2), 161.