

Resource Summary Report

Generated by [dkNET](#) on Aug 17, 2026

Crl:WI

RRID:RGD_737929

Type: Organism

Proper Citation

RRID:RGD_737929

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=737929>

Proper Citation: RRID:RGD_737929

Description: Rattus norvegicus with name Crl:WI from RGD.

Species: Rattus norvegicus

Notes: To Scientific Products Farm, Ltd. [predecessor of Charles River United Kingdom (CRUK)] in 1947 from Wistar Institute. To Charles River in 1975 from CRUK. This particular colony was selected because of a low incidence of hydronephrosis. [Charles River Laboratories](#)

Catalog Number: 737929

Background: outbred

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 737929

Organism Name: Crl:WI

Record Creation Time: 20230509T191933+0000

Record Last Update: 20260815T190646+0000

Ratings and Alerts

No rating or validation information has been found for Crl:WI.

No alerts have been found for Crl:WI.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 48 mentions in open access literature.

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

Peralta ED, et al. (2026) Angiotensin-II Type 1 and Type 2 Receptors Differentially Regulate TWIK1 Potassium Channel Expression in Wistar Rat Sensory Neurons. *Journal of neuroscience research*, 104(4), e70127.

Peralta ED, et al. (2026) Angiotensin II type 1 and type 2 receptors modulate TWIK1 channel expression and pain sensitivity in a rat model of neuropathic pain. *Frontiers in pharmacology*, 17, 1833813.

Fabius S, et al. (2026) Effects of a Bacterial Multi-Strain Formulation on Locomotor Sensitization and the Gut Microbiota Structure Induced by Repeated Volatilized Cocaine Exposure in Rats. *Journal of neurochemistry*, 170(5), e70476.

Rodríguez PEA, et al. (2026) GM1-Oligosaccharide Rescues Rotenone-Impaired Neuronal Polarization Through RhoA/ROCK Modulation and Mitochondrial Protection. *Journal of neurochemistry*, 170(7), e70505.

Cheng Z, et al. (2026) Discovery of a peripherally restricted μ 2AAR agonist as a safe and broad-spectrum oral analgesic. *Cell reports. Medicine*, 7(7), 102864.

Riggs LM, et al. (2025) Bioactive ketamine metabolite exerts in vivo neuroplastogenic effects to improve hippocampal function in a treatment-resistant depression model. *Cell reports*, 44(6), 115743.

Issitt T, et al. (2025) Chloroform release from ageing cells and *Drosophila* DJ-1[?]mutants. *Journal of breath research*, 19(3).

Murtaz A, et al. (2025) Actin fenestrae amplify the membrane response to hypertonic stress in osmosensory neurons. *iScience*, 28(3), 112042.

Jeans AF, et al. (2025) CaV2.1 mediates presynaptic dysfunction induced by amyloid β oligomers. *Cell reports*, 44(4), 115451.

Vanspauwen SK, et al. (2025) A correlation-based tool for quantifying membrane periodic skeleton associated periodicity. *Frontiers in neuroinformatics*, 19, 1628538.

Farinha-Ferreira M, et al. (2024) Unmoving and uninflamed: Characterizing neuroinflammatory dysfunction in the Wistar-Kyoto rat model of depression. *Journal of neurochemistry*.

Birkle TJY, et al. (2024) Disease phenotypic screening in neuron-glia cocultures identifies blockers of inflammatory neurodegeneration. *iScience*, 27(4), 109454.

DeVuomo MV, et al. (2024) Prenatal tetrahydrocannabinol and cannabidiol exposure produce sex-specific pathophysiological phenotypes in the adolescent prefrontal cortex and hippocampus. *Neurobiology of disease*, 199, 106588.

Messina DN, et al. (2024) Complex alterations in inflammatory pain and analgesic sensitivity in young and ageing female rats: involvement of ASIC3 and Nav1.8 in primary sensory neurons. *Inflammation research : official journal of the European Histamine Research Society ... [et al.]*, 73(4), 669.

Petereit C, et al. (2024) Age-dependent effects of the α_3 adrenoceptor agonist CL316,243 on human and rat detrusor muscle strips. *Pflugers Archiv : European journal of physiology*, 476(2), 243.

De Coster T, et al. (2024) 'Trapped re-entry' as source of acute focal atrial arrhythmias. *Cardiovascular research*, 120(3), 249.

Van Voorhies KJ, et al. (2023) Novel RXFP3 negative allosteric modulator RLX-33 reduces alcohol self-administration in rats. *Journal of neurochemistry*, 167(2), 204.

Messina DN, et al. (2023) Age-dependent and modality-specific changes in the phenotypic markers Nav1.8, ASIC3, P2X3 and TRPM8 in male rat primary sensory neurons during healthy aging. *Biogerontology*, 24(1), 111.

Groom S, et al. (2023) A novel G protein-biased agonist at the μ opioid receptor induces substantial receptor desensitisation through G protein-coupled receptor kinase. *British journal of pharmacology*, 180(7), 943.

Sahakyants T, et al. (2023) Rodent Model for Orthotopic Implantation of Engineered Liver Devices. *Tissue engineering. Part C, Methods*, 29(1), 20.