

Resource Summary Report

Generated by [NIF](#) on Aug 28, 2026

WI

RRID:RGD_13508588

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=13508588>

Proper Citation: RRID:RGD_13508588

Description: Rattus norvegicus with name WI from RGD.

Species: Rattus norvegicus

Notes: The Wistar rat is an outbred albino rat. This breed was developed at the Wistar Institute in 1906 for use in biological and medical research, and is notably the first rat developed to serve as a model organism.

Catalog Number: 13508588

Background: outbred

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 13508588

Organism Name: WI

Record Creation Time: 20230509T191948+0000

Record Last Update: 20260815T190713+0000

Ratings and Alerts

No rating or validation information has been found for WI.

No alerts have been found for WI.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 56670 mentions in open access literature.

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

Berenjian K, et al. (2027) Impact of Mild Traumatic Brain Injury (mTBI) on CYP2D6 Activity and the Restorative Effects of Melatonin and Vitamin C Supplementation. Iranian journal of pharmaceutical research : IJPR, 26(1), e164903.

Gómez-Pineda D, et al. (2026) High-Density Lipoproteins (HDLs) contribute to limiting acute tissue damage: proof of concept in a model of mercury-induced nephrotoxicity. Lipids in health and disease, 25(1), 49.

Camilo TA, et al. (2026) Dysregulated Plasticity in Serotonin, Galanin, and Opioid Systems Contributes to Limbic Seizure Recruitment in Wistar Audiogenic Rat. Journal of neurochemistry, 170(3), e70397.

Mansouri Z, et al. (2026) Rosmarinic Acid-Treated Exosomes Modulate TGF- β 1/Smad3 Signaling to Alleviate Cardiac Fibrosis in an In Vitro/In Vivo Model. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 40(3), e71358.

McCullough S, et al. (2026) Deep Brain Stimulation of the Nucleus Accumbens Modulates Effort-Based Decision-Making and Phasic Dopamine Release in Male Wistar Rats. Journal of neurochemistry, 170(6), e70485.

Porta DJ, et al. (2026) Prevention of pressure natriuresis deterioration by dietary coenzyme Q10: Role of mitochondrial preservation in reduced renal mass and high-sodium diet. The Journal of nutritional biochemistry, 148, 110153.

Noronha-Matos JB, et al. (2026) Blockage of the peri-synaptic Schwann cell nicotinic α 7 receptor inhibitory drive increases the neuromuscular performance in rats with experimental autoimmune Myasthenia gravis: repurposing dipyridamole usage in myasthenics. Neuropharmacology, 284, 110775.

Vaquié AM, et al. (2026) Adaptaquin is selectively toxic to glioma stem cells through disruption of iron and cholesterol metabolism. Molecular oncology, 20(2), 307.

Stover JD, et al. (2026) CRISPR Epigenome Editing of IL1R1 Expression of Neurons that Innervate the Temporomandibular Joint or Knee Causes Reduced Sensitization to Osteoarthritic Environment. Annals of biomedical engineering.

Tamari A, et al. (2026) Immediate icing disrupts the very early MCP-1/CCR2 recruitment window and delays muscle regeneration in rats. *American journal of physiology. Cell physiology*, 331(1), C222.

Matos VUS, et al. (2026) AAV-Driven miR-146a Promotes Neurite Outgrowth and Axonal Regeneration in Cortical Neurons. *Journal of neurochemistry*, 170(2), e70372.

Lichtenstein HD, et al. (2026) A Common Iba1 Antibody Labels Vasopressin Neurons in Mice. *eNeuro*, 13(2).

Atta A, et al. (2026) L-ornithine liposomal nanoparticles as a potent candidate for hepatic encephalopathy therapy via inhibiting α -pyrroline-5-carboxylate dehydrogenase. *Bioorganic chemistry*, 179, 110001.

Di Pierdomenico C, et al. (2026) Prenatal Methyl Nutrient Availability Shapes Mesolimbic Dopaminergic Circuitry and Systemic Inflammation in Wistar Rat Offspring of Both Sexes. *Journal of neurochemistry*, 170(5), e70468.

Wang S, et al. (2026) Xenophagocytosis blockade enhances interspecies chimerism. *Cell*.

Lu B, et al. (2026) Targeting the tumor microenvironment: reprogramming macrophages as a novel therapeutic strategy in FUOM-deficient glioblastoma. *Cell death & disease*, 17(1).

Lara Castillo NA, et al. (2026) Exercise beneficially reshapes fasted rat skeletal muscle involving the combined action of β -hydroxybutyrate and palmitoleic acid. *American journal of physiology. Cell physiology*, 330(4), C1006.

Silva-Araújo ER, et al. (2026) High-dose neonatal riboflavin remodels energy metabolism and brain mitochondrial ultrastructure in rats exposed to maternal high-fat diet. *Food research international (Ottawa, Ont.)*, 226, 118103.

Griškova-Bulanova I, et al. (2026) Serotonergic modulation of cortical gamma synchronization: right-lateralized psilocin effects on 40 Hz auditory steady-state responses in rats. *Journal of neurophysiology*, 135(4), 815.

Borges GF, et al. (2026) Rac1 Constrains Memory Consolidation. *eNeuro*, 13(4).