

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 2, 2026

WAG/Rij

RRID:RGD_737924

Type: Organism

Proper Citation

RRID:RGD_737924

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=737924>

Proper Citation: RRID:RGD_737924

Description: Rattus norvegicus with name WAG/Rij from RGD.

Species: Rattus norvegicus

Notes: Substrain of WAG, from AL Bacharach, Glaxo Ltd from Wistar stock in 1924, from Rij to Kyoto in 1979 Harlan Sprague Dawley, Indianapolis, IN

Catalog Number: 737924

Background: inbred

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 737924

Organism Name: WAG/Rij

Record Creation Time: 20230509T191929+0000

Record Last Update: 20260801T194009+0000

Ratings and Alerts

No rating or validation information has been found for WAG/Rij.

No alerts have been found for WAG/Rij.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 105 mentions in open access literature.

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

Rauch E, et al. (2025) Exogenous Ketone Supplementation Enhances the Anti-Epileptic Effect of Levetiracetam in Wistar Albino Glaxo/Rijswijk Rats. *Nutrients*, 17(10).

Maugeri A, et al. (2025) GABAA Receptors Are Involved in the Seizure Blockage Prompted by a Polyphenol-Rich Extract of White Grape Juice in Rodents. *Pharmaceuticals (Basel, Switzerland)*, 18(2).

Spiliotis AE, et al. (2025) Efficacy of Electrochemotherapy with Bleomycin, Oxaliplatin, or Oxaliplatin with Bevacizumab in the Treatment of Colorectal Hepatic Metastases in Rats. *Cancers*, 17(17).

Rauch E, et al. (2024) Exogenous Ketone Supplement Administration Abrogated Isoflurane-Anesthesia-Induced Increase in Blood Glucose Level in Female WAG/Rij Rats. *Nutrients*, 16(10).

Okechukwu CC, et al. (2024) Enhanced Therapeutic Efficacy of the Nanoscale Fluoropyrimidine Polymer CF10 in a Rat Colorectal Cancer Liver Metastasis Model. *Cancers*, 16(7).

Spiliotis AE, et al. (2024) Electrochemotherapy with intravenous, intratumoral, or combined administration of bleomycin in the treatment of colorectal hepatic metastases in a rat model. *Scientific reports*, 14(1), 17361.

Bootsma S, et al. (2024) Exploiting a subtype-specific mitochondrial vulnerability for successful treatment of colorectal peritoneal metastases. *Cell reports. Medicine*, 5(5), 101523.

Balikci A, et al. (2024) Tactile stimulation of young WAG/Rij rats prevents development of depression but not absence epilepsy. *Frontiers in behavioral neuroscience*, 18, 1433431.

Mangueneau C, et al. (2024) 18 F-Fluorination of Nitroimidazolyl-Containing Sultone: A Direct Access to a Highly Hydrophilic Radiotracer for High-Performance Positron Emission Tomography Imaging of Hypoxia. *JACS Au*, 4(8), 3248.

Raber J, et al. (2024) Effects of 5-ion 6-beam sequential irradiation in the presence and absence of hindlimb or control hindlimb unloading on behavioral performances and plasma metabolic pathways of Fischer 344 rats. *Frontiers in physiology*, 15, 1486767.

Birioukova LM, et al. (2024) The neuronal density in the rostral pole of substantia nigra pars compacta in Wistar Albino rats from Rijswijk rats: A link to spike-wave seizures. *Journal of biological methods*, 11(3), e99010022.

Kovacs Z, et al. (2023) Ketone supplementation abolished isoflurane anesthesia-induced elevation in blood glucose level and increased recovery time from anesthesia in Wistar Albino Glaxo Rijswijk rats. *BMC anesthesiology*, 23(1), 43.

Raber J, et al. (2023) Effects of photon irradiation in the presence and absence of hindlimb unloading on the behavioral performance and metabolic pathways in the plasma of Fischer rats. *Frontiers in physiology*, 14, 1316186.

Spiliotis AE, et al. (2023) Evaluation of Electrochemotherapy with Bleomycin in the Treatment of Colorectal Hepatic Metastases in a Rat Model. *Cancers*, 15(5).

Rauch E, et al. (2023) Dose-Dependent Beneficial Effect of Ketone Supplement-Evoked Ketosis on Anxiety Level in Female WAG/Rij Rats: Sometimes Less Is More. *Nutrients*, 15(20).

Celli R, et al. (2023) mGlu3 Metabotropic Glutamate Receptors as a Target for the Treatment of Absence Epilepsy: Preclinical and Human Genetics Data. *Current neuropharmacology*, 21(1), 105.

Sarkisova KY, et al. (2023) Maternal Methyl-Enriched Diet Increases DNMT1, HCN1, and TH Gene Expression and Suppresses Absence Seizures and Comorbid Depression in Offspring of WAG/Rij Rats. *Diagnostics (Basel, Switzerland)*, 13(3).

Sitnikova E, et al. (2023) Alpha2 Adrenergic Modulation of Spike-Wave Epilepsy: Experimental Study of Pro-Epileptic and Sedative Effects of Dexmedetomidine. *International journal of molecular sciences*, 24(11).

Sarkisova KY, et al. (2023) Antidepressant and Anxiolytic Effects of L-Methionine in the WAG/Rij Rat Model of Depression Comorbid with Absence Epilepsy. *International journal of molecular sciences*, 24(15).

Helderman RFCPA, et al. (2023) Elevated temperatures and longer durations improve the efficacy of oxaliplatin- and mitomycin C-based hyperthermic intraperitoneal chemotherapy in a confirmed rat model for peritoneal metastasis of colorectal cancer origin. *Frontiers in oncology*, 13, 1122755.