

Resource Summary Report

Generated by [dkNET](#) on Sep 8, 2026

WAG/RijCmcr

RRID:RGD_2303640

Type: Organism

Proper Citation

RRID:RGD_2303640

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=2303640>

Proper Citation: RRID:RGD_2303640

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

Species: Rattus norvegicus

Notes: Substrain of WAG/Rij, separated from the Rijswijk colony in about 1975, now maintained at Medical College of Wisconsin

Catalog Number: 2303640

Background: inbred

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 2303640

Organism Name: WAG/RijCmcr

Record Creation Time: 20230509T191936+0000

Record Last Update: 20260905T135221+0000

Ratings and Alerts

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

No alerts have been found for WAG/RijCmcr.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Gasperetti T, et al. (2026) Multi-organ acute and delayed effects following exposure to neutron radiation. *iScience*, 29(7), 116380.

Wallisch E, et al. (2025) Advancing cell-free DNA as a biomarker of damage to heart caused by ionizing radiation. *Journal of radiation research*, 66(3), 329.

Sharma GP, et al. (2025) Activation of Angiotensin Converting Enzyme 2 (ACE2) Mitigates Gastrointestinal Acute Radiation Syndrome (GI-ARS). *International journal of radiation oncology, biology, physics*.

Sharma GP, et al. (2023) Biological sex differences in renin angiotensin system enzymes ACE and ACE2 regulate normal tissue response to radiation injury. *Frontiers in physiology*, 14, 1191237.

Lenarczyk M, et al. (2023) Exposure to multiple ion beams, broadly representative of galactic cosmic rays, causes perivascular cardiac fibrosis in mature male rats. *PloS one*, 18(4), e0283877.

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.

Medhora M, et al. (2023) Biomarkers to Predict Lethal Radiation Injury to the Rat Lung. *International journal of molecular sciences*, 24(6).

Gasperetti T, et al. (2021) Polypharmacy to Mitigate Acute and Delayed Radiation Syndromes. *Frontiers in pharmacology*, 12, 634477.

Medhora M, et al. (2021) Radiation Increases Bioavailability of Lisinopril, a Mitigator of Radiation-Induced Toxicities. *Frontiers in pharmacology*, 12, 646076.

Gao F, et al. (2017) Changes in miRNA in the lung and whole blood after whole thorax irradiation in rats. *Scientific reports*, 7, 44132.

Medhora M, et al. (2015) Whole-thorax irradiation induces hypoxic respiratory failure, pleural effusions and cardiac remodeling. *Journal of radiation research*, 56(2), 248.

Lenarczyk M, et al. (2015) Simvastatin mitigates increases in risk factors for and the occurrence of cardiac disease following 10??Gy total body irradiation. *Pharmacology research & perspectives*, 3(3), e00145.