

Resource Summary Report

Generated by [ASWG](#) on Sep 3, 2026

W/LnneRrrc Audiogenic Wistar rat

RRID:RRRC_00697

Type: Organism

Proper Citation

RRID:RRRC_00697

Organism Information

URL: http://rgd.mcw.edu/tools/strains/strains_view.cgi?id=14695083

Proper Citation: RRID:RRRC_00697

Description: Rattus norvegicus with name W/LnneRrrc from RGD.

Species: Rattus norvegicus

Notes: Wistar rats maintained at the animal facility of the Ribeirao Preto School of Medicine at the University of Sao Paulo, Brazil, were tested for audiogenic seizures, using as criteria an SI and the L1 (ref. RGD:14695082). The WAR colony foundation stock was produced by mating animals displaying at least procursive behaviors in three consecutive tests, one every 4 days (two males and four females). Each couple produced two or three litters, from which selected individuals displaying the highest SI and shortest L1 were mated, at adult age, with their fathers and mothers. From the second generation on, brother and sister matings were done, in a ratio of one male to two females, selected according to the criteria above. [Rat Resource and Research Center](#)

Catalog Number: 00697

Background: inbred

Database: Rat Resource and Research Center (RRRC)

Database Abbreviation: RRRC

Availability: Unknown

Alternate IDs: RGD_14695083, 14695083, RRRC_697, RRRC_0697, RRRC_00697

Organism Name: W/LnneRrrc Audiogenic Wistar rat

Record Creation Time: 20230607T202008+0000

Record Last Update: 20260829T095504+0000

Ratings and Alerts

No rating or validation information has been found for W/LnneRrrc Audiogenic Wistar rat.

No alerts have been found for W/LnneRrrc Audiogenic Wistar rat.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Resource and Research Center (RRRC)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Maidana LM, et al. (2026) Neuroprotective Effects of Strength Training on Behavioral Deficit, Oxidative Damage, Astrogliosis, and Neuronal Death in a Bipolar Disorder Model. Journal of neurochemistry, 170(3), e70392.

Placido RV, et al. (2026) Molecular and Functional Alterations of P-Glycoprotein in a Genetic Model of Epilepsy: Insights from the Wistar Audiogenic Rat. International journal of molecular sciences, 27(8).

Karimi-Zandi L, et al. (2025) Hippocampal synaptic plasticity impairment and melatonin synthesis reduction in cognitive decline of a rodent model of Alzheimer's disease-like pathology. Pflugers Archiv : European journal of physiology, 478(1), 4.

Marroni SS, et al. (2025) Epilepsy, compulsion and oxytocin: Insights from behavioral sequences, using neuroethology and complexity systems approaches. Epilepsy & behavior : E&B, 164, 110273.

Mihalj D, et al. (2025) Prenatal Valproate Exposure Affects Cortical Neurite Branching, GABAergic Markers, Motor Reflexes and Ultrasonic Vocalizations in the Male Rat Pups. Journal of neurochemistry, 169(8), e70184.

Alves SS, et al. (2025) Insulin signaling disruption exacerbates memory impairment and seizure susceptibility in an epilepsy model with Alzheimer's disease-like pathology. Journal of neural transmission (Vienna, Austria : 1996).

Okuyama T, et al. (2024) Hepatoprotective effects of baicalein against liver ischemia-reperfusion injury and partial hepatectomy in a rat model. Molecular biology reports, 51(1), 643.

Lazarini-Lopes W, et al. (2023) Inherited pain hypersensitivity and increased anxiety-like behaviors are associated with genetic epilepsy in Wistar Audiogenic Rats: Short- and long-term effects of acute and chronic seizures on nociception and anxiety. Epilepsy & behavior : E&B, 141, 109160.

Servilha-Menezes G, et al. (2022) A complex systems view on the current hypotheses of epilepsy pharmacoresistance. *Epilepsia open*, 7 Suppl 1(Suppl 1), S8.