

Resource Summary Report

Generated by [NIF](#) on Sep 7, 2026

WKY

RRID:RGD_61103

Type: Organism

Proper Citation

RRID:RGD_61103

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=61103>

Proper Citation: RRID:RGD_61103

Description: Rattus norvegicus with name WKY from RGD.

Species: Rattus norvegicus

Notes: This strain was maintained at Medical College of Ohio, Toledo, Ohio

Catalog Number: 61103

Background: inbred

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 61103

Organism Name: WKY

Record Creation Time: 20230509T191927+0000

Record Last Update: 20260905T135206+0000

Ratings and Alerts

No rating or validation information has been found for WKY.

No alerts have been found for WKY.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 779 mentions in open access literature.

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

Akopova OV, et al. (2026) The anticancer properties of the nanocomposite of low-nanoscale Ag nanoparticles obtained in SiO₂-grafted polyacrylamide carrier. BMC pharmacology & toxicology, 27(1).

Qi RQ, et al. (2026) USP13 facilitates pressure overload induced vascular remodeling and phenotypic transition of VSMCs via deubiquitinating Beclin-1. Cell death discovery, 12(1), 76.

Ham JR, et al. (2026) Divergent behavioral strategies in Wistar and Wistar-Kyoto rats in a naturalistic task reveal mood disorder phenotypes. iScience, 29(4), 115459.

Zhang Y, et al. (2026) Endothelial Dysfunction Contributes to Chondrocyte Senescence Associated With Insulin-Like Growth Factor-Binding Protein-6 in a Spontaneously Hypertensive Rat Model. Journal of the American Heart Association, 15(1), e042132.

Smoradkova K, et al. (2026) Metabolic Alterations Associated With Diet and Hypertension in Rats. Journal of nutrition and metabolism, 2026, 6248625.

Acosta C, et al. (2026) Disparate Mechanical and Functional Properties of Spontaneously Hypertensive Rat and Spontaneously Hypertensive Heart Failure Rat Penetrating Arterioles. Journal of cardiovascular pharmacology, 87(2), 127.

Dai M, et al. (2026) Urolithin A alleviates vascular remodeling through mitochondrial SIRT3-mediated SOD2 deacetylation and antioxidation in hypertensive rats. Redox report : communications in free radical research, 31(1), 2622255.

Yang GY, et al. (2026) Impact of renal denervation on circadian variations of blood pressure and clock gene expression in spontaneously hypertensive rats. Frontiers in cardiovascular medicine, 13, 1739153.

Sklifasovskaya AP, et al. (2026) Hypertension and Diabetes Cooperatively Drive HSP90 Activation, HSP70 Suppression, and Left Ventricular Interstitial Expansion: Relevance to Maladaptive Myocardial Remodeling. Pathophysiology : the official journal of the International Society for Pathophysiology, 33(1).

Palombelli G, et al. (2026) Neuroimaging insights from Wistar-Kyoto rats under chronic mild stress: morphological and metabolic brain correlates of treatment-resistant depression. Scientific reports, 16(1).

Yamada Y, et al. (2026) Pathogenesis of Pulmonary Artery Remodeling: TGF-Beta Signaling and Inhibin Subunit Beta A in Group 1 and 2 Pulmonary Hypertension. *Arteriosclerosis, thrombosis, and vascular biology*, 46(3), e322506.

Huang T, et al. (2026) Initiating Events of Retinopathy in Spontaneously Hypertensive Rats: Microvascular Rarefaction and Functional Deficits. *Hypertension (Dallas, Tex. : 1979)*, 83(7), e26116.

Ghignatti PVDC, et al. (2026) Preventive Aerobic Training Protects Against Doxorubicin-Induced Cardiotoxicity by Preserving Redox Status and Attenuating Cardiac Stress-Related Signaling. *Cells*, 15(5).

She SC, et al. (2026) Differential cardiovascular and autonomic responses to structurally distinct intermittent hypoxia paradigms in rats. *Hypertension research : official journal of the Japanese Society of Hypertension*, 49(5), 1659.

Zhou C, et al. (2026) Functional characterization of a novel α -glucosidase converting trillin to diosgenin from *Enterococcus faecalis*. *Microbial cell factories*, 25(1), 33.

Inderwiedenstraße L, et al. (2026) PKC isoform-specific targeting of the phosphorylation site Serine191 in the GIRK4 subunit induces receptor-dependent modulation of GIRK channel activity. *Pflügers Archiv : European journal of physiology*, 478(3).

Spink CS, et al. (2026) C/T Ratios in Human Eyeblink Conditioning Paradigms to Examine Cerebellar Function and ADHD: A Narrative Review. *Behavioral sciences (Basel, Switzerland)*, 16(1).

Briffa JF, et al. (2026) Impact of diet and exercise in growth restricted female rats on nephron endowment in male fetuses. *Experimental physiology*, 111(3), 1365.

Paterson A, et al. (2026) The impact of testosterone on paraventricular nucleus gene expression in male and female spontaneously hypertensive rats. *Biology of sex differences*, 17(1), 22.

Kuang H, et al. (2026) In vivo Expansion of Regulatory T cells via an Engineered IL-2 Mutein to Suppress Autoimmune Glomerulonephritis. *Theranostics*, 16(9), 4787.