

Resource Summary Report

Generated by [NIF](#) on Sep 6, 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](#) .

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.

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).

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.

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.

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

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.

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).

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.

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.

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.

Duque VJ, et al. (2026) Sex-specific hypothalamic PVN transcriptomic signatures of blood pressure autonomic regulation and neuroinflammation in hypertension. *Biology of sex differences*, 17(1).