

Resource Summary Report

Generated by PRECISE-TBI on Aug 3, 2026

LEW

RRID:RGD_60999

Type: Organism

Proper Citation

RRID:RGD_60999

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=60999>

Proper Citation: RRID:RGD_60999

Description: Rattus norvegicus with name LEW from RGD.

Species: Rattus norvegicus

Notes: Dr. Margaret Lewis from Wistar stock, to Aptekman and Bogden 1954 at F20, to Silvers in 1958 at F31. Subsequently distributed by Silvers. Used as the inbred partner for a number of congenic strains at the major histocompatibility complex (Stark and Kren 1969). A substrain with congenital hydrocephalus due to primary aqueductal stenosis has been described by Yamada et al, (1992) Harlan Sprague Dawley Inc. Indianapolis, United States

Catalog Number: 60999

Background: inbred

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 60999

Organism Name: LEW

Record Creation Time: 20230509T191926+0000

Record Last Update: 20260801T194004+0000

Ratings and Alerts

No rating or validation information has been found for LEW.

No alerts have been found for LEW.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 67 mentions in open access literature.

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

Uchi T, et al. (2023) Siponimod ameliorates experimental autoimmune neuritis. Journal of neuroinflammation, 20(1), 35.

Fathi I, et al. (2023) Pancreatic Islet Transplantation into the Submandibular Gland: Our Experimental Experience and a Review of the Relevant Literature. Journal of clinical medicine, 12(11).

Wang J, et al. (2023) Bone Marrow Mesenchymal Stem Cells-Derived miR-21-5p Protects Grafted Islets Against Apoptosis by Targeting PDCD4. Stem cells (Dayton, Ohio), 41(2), 169.

Marchand A, et al. (2022) Novel High-Throughput Fluorescence-Based Assay for the Identification of Nematocidal Compounds That Target the Blood-Feeding Pathway. Pharmaceuticals (Basel, Switzerland), 15(6).

Yadav V, et al. (2022) Ileocolonic-Targeted JAK Inhibitor: A Safer and More Effective Treatment for Inflammatory Bowel Disease. Pharmaceuticals, 14(11).

Mesquita PHC, et al. (2022) Effects of aging and long-term physical activity on mitochondrial physiology and redox state of the cortex and cerebellum of female rats. Physiological reports, 10(24), e15542.

Yu Q, et al. (2022) Sox9 mediates autophagy-dependent vascular smooth muscle cell phenotypic modulation and transplant arteriosclerosis. iScience, 25(10), 105161.

Stock AA, et al. (2022) Performance of islets of Langerhans conformally coated via an emulsion cross-linking method in diabetic rodents and nonhuman primates. Science advances, 8(26), eabm3145.

Kanoje V, et al. (2022) Discovery and pre-clinical characterization of a selective PI3K? inhibitor, LL-00071210 in rheumatoid arthritis. European journal of pharmacology, 927, 175054.

Wilcox EC, et al. (2022) Substratum interactions determine immune response to allogeneic transplants of endothelial cells. *Frontiers in immunology*, 13, 946794.

Wierczek A, et al. (2022) Pharmacokinetic/Pharmacodynamic Evaluation of a New Purine-2,6-Dione Derivative in Rodents with Experimental Autoimmune Diseases. *Pharmaceutics*, 14(5).

Allgood JE, et al. (2022) The effects of graft source and orientation on outcomes after ablation of a branched peripheral nerve. *Frontiers in cellular neuroscience*, 16, 1055490.

Zheng X, et al. (2022) TAK1 accelerates transplant arteriosclerosis in rat aortic allografts by inducing autophagy in vascular smooth muscle cells. *Atherosclerosis*, 343, 10.

Hellenbrand DJ, et al. (2021) Functional recovery after peripheral nerve injury via sustained growth factor delivery from mineral-coated microparticles. *Neural regeneration research*, 16(5), 871.

Watanabe J, et al. (2021) Conditional ablation of vasopressin-synthesizing neurons in transgenic rats. *Journal of neuroendocrinology*, 33(12), e13057.

Ishikura T, et al. (2021) Anti-AQP4 autoantibodies promote ATP release from astrocytes and induce mechanical pain in rats. *Journal of neuroinflammation*, 18(1), 181.

Hua C, et al. (2021) Additional partial hepatectomy at the time of portal vein ligation accelerates the regeneration of the future liver remnant. *Scientific reports*, 11(1), 11740.

Zhang N, et al. (2021) Preclinical Characterization of the Selective JAK1 Inhibitor LW402 for Treatment of Rheumatoid Arthritis. *Journal of inflammation research*, 14, 2133.

Huang L, et al. (2021) Elezanumab, a clinical stage human monoclonal antibody that selectively targets repulsive guidance molecule A to promote neuroregeneration and neuroprotection in neuronal injury and demyelination models. *Neurobiology of disease*, 159, 105492.

Yang Y, et al. (2020) Development of a novel nitric oxide (NO) production inhibitor with potential therapeutic effect on chronic inflammation. *European journal of medicinal chemistry*, 193, 112216.