

Resource Summary Report

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

BALB/c-II4^{tm2Nnt}/AnuApb

RRID:IMSR_APB:287

Type: Organism

Proper Citation

RRID:IMSR_APB:287

Organism Information

URL: <https://db.pb.apf.edu.au/phenbank/strain.html?id=287>

Proper Citation: RRID:IMSR_APB:287

Description: Mus musculus with name BALB/c-II4^{tm2Nnt}/AnuApb from IMSR.

Species: Mus musculus

Notes: gene symbol note: interleukin 4; mutant strain: II4

Affected Gene: interleukin 4

Genomic Alteration: targeted mutation 2; Nancy Noben-Trauth

Catalog Number: APB:287

Database: Australian Phenome Bank

Database Abbreviation: APB

Availability: sperm

Organism Name: BALB/c-II4^{tm2Nnt}/AnuApb

Record Creation Time: 20250513T062346+0000

Record Last Update: 20260808T055858+0000

Ratings and Alerts

No rating or validation information has been found for BALB/c-II4^{tm2Nnt}/AnuApb.

No alerts have been found for BALB/c-II4^{tm2Nnt}/AnuApb.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Australian Phenome Bank

Usage and Citation Metrics

We found 54 mentions in open access literature.

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

Brott JT, et al. (2026) ATRX function beyond hippocampal CA1 is required for cognitive deficits in mouse models of intellectual disability. PLoS one, 21(4), e0347770.

Wang Z, et al. (2025) A genomic and phenotypic investigation of pigeon-adaptive Salmonella. PLoS pathogens, 21(3), e1012992.

Jin X, et al. (2025) Overcoming acquired immunotherapy resistance in non-small cell lung cancer using ginsenoside Rb1-loaded, peptide-enhanced exosome delivery systems. Journal of nanobiotechnology, 23(1), 443.

Mueller-Buehl C, et al. (2025) Combined loss of brevican, neurocan, tenascin-C and tenascin-R leads to impaired fear retrieval due to perineuronal net loss. Scientific reports, 15(1), 5528.

Aliff HL, et al. (2025) Accessible LED Lightbox for Light-induced Retinal Damage in Pigmented Mice. Investigative ophthalmology & visual science, 66(2), 49.

Song WS, et al. (2025) Nicotinic acid riboside maintains NAD⁺ homeostasis and ameliorates aging-associated NAD⁺ decline. Cell metabolism, 37(7), 1499.

Lib??-Philippot B, et al. (2024) Synaptic neoteny of human cortical neurons requires species-specific balancing of SRGAP2-SYNGAP1 cross-inhibition. Neuron, 112(21), 3602.

Reinhard J, et al. (2024) Neural extracellular matrix regulates visual sensory motor integration. iScience, 27(2), 108846.

Girardot PE, et al. (2024) Pentosan Polysulfate Sodium Causes Diminished Function and Subtle Morphological Changes in Retina and RPE of Mice. Investigative ophthalmology & visual science, 65(2), 28.

Konen JM, et al. (2023) Autotaxin suppresses cytotoxic T cells via LPAR5 to promote anti-PD-1 resistance in non-small cell lung cancer. The Journal of clinical investigation, 133(17).

Hawtin S, et al. (2023) Preclinical characterization of the Toll-like receptor 7/8 antagonist MHV370 for lupus therapy. Cell reports. Medicine, 4(5), 101036.

Wang C, et al. (2022) Nuclear translocation of RIG-I promotes cellular apoptosis. Journal of autoimmunity, 130, 102840.

Walls AC, et al. (2022) Distinct sensitivities to SARS-CoV-2 variants in vaccinated humans and mice. *Cell reports*, 40(9), 111299.

Ying B, et al. (2022) Boosting with Omicron-matched or historical mRNA vaccines increases neutralizing antibody responses and protection against B.1.1.529 infection in mice. *bioRxiv : the preprint server for biology*.

Ying B, et al. (2022) Protective activity of mRNA vaccines against ancestral and variant SARS-CoV-2 strains. *Science translational medicine*, 14(630), eabm3302.

Halfmann PJ, et al. (2022) SARS-CoV-2 Omicron virus causes attenuated disease in mice and hamsters. *Nature*, 603(7902), 687.

Darling TL, et al. (2022) mRNA-1273 and Ad26.COV2.S vaccines protect against the B.1.621 variant of SARS-CoV-2. *Med (New York, N.Y.)*, 3(5), 309.

Freire Boullosa L, et al. (2022) Optimization of the Solvent and In Vivo Administration Route of Auranofin in a Syngeneic Non-Small Cell Lung Cancer and Glioblastoma Mouse Model. *Pharmaceutics*, 14(12).

Zeid D, et al. (2021) Terc Gene Cluster Variants Predict Liver Telomere Length in Mice. *Cells*, 10(10).

Doucet E, et al. (2021) Blockade of Serotonin 5-HT6 Receptor Constitutive Activity Alleviates Cognitive Deficits in a Preclinical Model of Neurofibromatosis Type 1. *International journal of molecular sciences*, 22(18).