

Resource Summary Report

Generated by [dkNET](#) on Aug 16, 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: 20260815T055901+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.

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.

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

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).