

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

B6.D2N-Ahr^d/J

RRID:IMSR_JAX:002921

Type: Organism

Proper Citation

RRID:IMSR_JAX:002921

Organism Information

URL: <https://www.jax.org/strain/002921>

Proper Citation: RRID:IMSR_JAX:002921

Description: Mus musculus with name B6.D2N-Ahr^d/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: aryl-hydrocarbon receptor; mutant strain|congenic strain: Ahr

Affected Gene: aryl-hydrocarbon receptor

Genomic Alteration: d variant

Catalog Number: JAX:002921

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.D2N-Ahr^d/J

Record Creation Time: 20250513T053636+0000

Record Last Update: 20260912T060420+0000

Ratings and Alerts

No rating or validation information has been found for B6.D2N-Ahr^d/J.

No alerts have been found for B6.D2N-Ahr^d/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Ho CC, et al. (2022) Aryl hydrocarbon receptor activation-mediated vascular toxicity of ambient fine particulate matter: contribution of polycyclic aromatic hydrocarbons and osteopontin as a biomarker. *Particle and fibre toxicology*, 19(1), 43.

Rico de Souza A, et al. (2021) The Aryl Hydrocarbon Receptor Attenuates Acute Cigarette Smoke-Induced Airway Neutrophilia Independent of the Dioxin Response Element. *Frontiers in immunology*, 12, 630427.

Xiao S, et al. (2020) Checkpoint Receptor TIGIT Expressed on Tim-1+ B Cells Regulates Tissue Inflammation. *Cell reports*, 32(2), 107892.

Ambrosio LF, et al. (2019) Role of Aryl Hydrocarbon Receptor (AhR) in the Regulation of Immunity and Immunopathology During *Trypanosoma cruzi* Infection. *Frontiers in immunology*, 10, 631.

Kerley-Hamilton JS, et al. (2012) Obesity is mediated by differential aryl hydrocarbon receptor signaling in mice fed a Western diet. *Environmental health perspectives*, 120(9), 1252.