

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://fdi-lab.sci-crunch.org) on Apr 18, 2025

STOCK Ahr^{tm3.1Bra/J}

RRID:IMSR_JAX:006203

Type: Organism

Proper Citation

RRID:IMSR_JAX:006203

Organism Information

URL: <https://www.jax.org/strain/006203>

Proper Citation: RRID:IMSR_JAX:006203

Description: Mus musculus with name STOCK Ahr^{tm3.1Bra/J} from IMSR.

Species: Mus musculus

Synonyms: B6.129(FVB)-Ahr/J

Notes: gene symbol note: aryl-hydrocarbon receptor; mutant stock: Ahr

Affected Gene: aryl-hydrocarbon receptor

Genomic Alteration: targeted mutation 3.1; Christopher A Bradfield

Catalog Number: JAX:006203

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

Alternate IDs: IMSR_JAX:6203

Organism Name: STOCK Ahr^{tm3.1Bra/J}

Record Creation Time: 20230509T193250+0000

Record Last Update: 20250412T090354+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Ahr^{tm3.1Bra/J}.

No alerts have been found for STOCK Ahr^{tm3.1Bra/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Hezaveh K, et al. (2022) Tryptophan-derived microbial metabolites activate the aryl hydrocarbon receptor in tumor-associated macrophages to suppress anti-tumor immunity. *Immunity*, 55(2), 324.

Gargaro M, et al. (2022) Indoleamine 2,3-dioxygenase 1 activation in mature cDC1 promotes tolerogenic education of inflammatory cDC2 via metabolic communication. *Immunity*, 55(6), 1032.

Yoshimatsu Y, et al. (2022) Aryl hydrocarbon receptor signals in epithelial cells govern the recruitment and location of Helios+ Tregs in the gut. *Cell reports*, 39(6), 110773.

St Paul M, et al. (2021) Coenzyme A fuels T cell anti-tumor immunity. *Cell metabolism*, 33(12), 2415.

Uberoi A, et al. (2021) Commensal microbiota regulates skin barrier function and repair via signaling through the aryl hydrocarbon receptor. *Cell host & microbe*, 29(8), 1235.

Metidji A, et al. (2018) The Environmental Sensor AHR Protects from Inflammatory Damage by Maintaining Intestinal Stem Cell Homeostasis and Barrier Integrity. *Immunity*, 49(2), 353.

Seo GY, et al. (2018) LIGHT-HVEM Signaling in Innate Lymphoid Cell Subsets Protects Against Enteric Bacterial Infection. *Cell host & microbe*, 24(2), 249.