

Resource Summary Report

Generated by [NIF](#) on Sep 8, 2026

STOCK Arid1a^{tm1.1Zhwa/J}

RRID:IMSR_JAX:027717

Type: Organism

Proper Citation

RRID:IMSR_JAX:027717

Organism Information

URL: <https://www.jax.org/strain/027717>

Proper Citation: RRID:IMSR_JAX:027717

Description: Mus musculus with name STOCK Arid1a^{tm1.1Zhwa/J} from IMSR.

Species: Mus musculus

Synonyms: 129-Arid1a/J

Notes: gene symbol note: AT-rich interaction domain 1A; mutant stock: Arid1a

Affected Gene: AT-rich interaction domain 1A

Genomic Alteration: targeted mutation 1.1; Zhong Wang

Catalog Number: JAX:027717

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Arid1a^{tm1.1Zhwa/J}

Record Creation Time: 20250513T053801+0000

Record Last Update: 20260905T044539+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Arid1a^{tm1.1Zhwa/J}.

No alerts have been found for STOCK Arid1a^{tm1.1Zhwa/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Bolomsky A, et al. (2024) IRF4 requires ARID1A to establish plasma cell identity in multiple myeloma. *Cancer cell*, 42(7), 1185.

Barisic D, et al. (2024) ARID1A orchestrates SWI/SNF-mediated sequential binding of transcription factors with ARID1A loss driving pre-memory B cell fate and lymphomagenesis. *Cancer cell*.

Kuo TL, et al. (2023) ARID1A loss in pancreas leads to islet developmental defect and metabolic disturbance. *iScience*, 26(1), 105881.

Celen C, et al. (2022) Arid1a loss potentiates pancreatic β -cell regeneration through activation of EGF signaling. *Cell reports*, 41(5), 111581.

Guo B, et al. (2022) Arid1a mutation suppresses TGF- β signaling and induces cholangiocarcinoma. *Cell reports*, 40(9), 111253.

Du J, et al. (2021) Arid1a-Plagl1-Hh signaling is indispensable for differentiation-associated cell cycle arrest of tooth root progenitors. *Cell reports*, 35(1), 108964.

Jing J, et al. (2019) Antagonistic interaction between Ezh2 and Arid1a coordinates root patterning and development via Cdkn2a in mouse molars. *eLife*, 8.