

# Resource Summary Report

Generated by [dkNET](#) on Sep 15, 2026

## STOCK Arid1a<sup>tm1.1Zhwa/J</sup>

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<sup>tm1.1Zhwa/J</sup> 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<sup>tm1.1Zhwa/J</sup>

**Record Creation Time:** 20250513T053801+0000

**Record Last Update:** 20260912T060541+0000

### Ratings and Alerts

No rating or validation information has been found for STOCK Arid1a<sup>tm1.1Zhwa/J</sup>.

No alerts have been found for STOCK Arid1a<sup>tm1.1Zhwa/J</sup>.

## 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 [dkNET](#) .

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  $\beta$ -cell regeneration through activation of EGF signaling. *Cell reports*, 41(5), 111581.

Guo B, et al. (2022) Arid1a mutation suppresses TGF- $\beta$  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.