

Resource Summary Report

Generated by [dkNET](#) on Sep 5, 2026

sd2Tg/+ (AB)

RRID:ZIRC_ZL1264

Type: Organism

Proper Citation

RRID:ZIRC_ZL1264

Organism Information

URL:

http://zebrafish.org/fish/lineAll.php?t=ZIRC_Catalog_ID&sverb=exactly+matching&c=ZL1264

Proper Citation: RRID:ZIRC_ZL1264

Description: Danio rerio with name Tg(gata1a:DsRed) from ZIRC.

Species: Danio rerio

Notes: Transgenic Insertion

Affected Gene: sd2Tg/+ (AB)

Genomic Alteration: sd2Tg

Catalog Number: ZL1264

Background: AB

Database: Zebrafish Lines at ZIRC

Database Abbreviation: ZIRC

Availability: frozen

Organism Name: sd2Tg/+ (AB)

Record Creation Time: 20230308T015227+0000

Record Last Update: 20260829T174427+0000

Ratings and Alerts

No rating or validation information has been found for sd2Tg/+ (AB).

No alerts have been found for sd2Tg/+ (AB).

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Zebrafish Lines at ZIRC

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Xu M, et al. (2026) Bmp16 Regulates Arterial Valve Morphogenesis Through Modulation of Notch Signaling in Zebrafish. *International journal of molecular sciences*, 27(5).

Chen C, et al. (2026) Endothelial Cell-Specific Molecule-1 (ESM1): An Endogenous Anticoagulant and Protective Factor in Venous Thrombosis. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(16), e15994.

Kraus A, et al. (2026) Longitudinal in vivo imaging of dynamic immune-vascular responses to meningeal cerebrovascular injury. *Journal of neuroinflammation*, 23(1).

Wu R, et al. (2026) KRAS-dependent glycolytic reprogramming of endothelial cells in sporadic arteriovenous malformations. *EMBO molecular medicine*, 18(3), 1091.

Baltaci OF, et al. (2026) Mural cells protect the adult brain from hemorrhage but do not control the blood-brain barrier in developing zebrafish. *eLife*, 14.

Chen R, et al. (2026) Dim light at night induces cardiac injury in zebrafish embryos via disrupted chloride homeostasis. *iScience*, 29(6), 115796.

Xia J, et al. (2025) Ace2 safeguards embryonic hematopoietic stem and progenitor cell production by restraining Nlrp3-mediated pyroptosis. *Proceedings of the National Academy of Sciences of the United States of America*, 122(49), e2515641122.

Yiqin W, et al. (2025) Tead1a Initiates Transcriptional Priming Through the TEAD1a/YAP-Notch1-Spi1/Cebp? Axis to Promote Neutrophil Fate. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(41), e05441.

Chen C, et al. (2025) G protein-coupled receptor GPR182 negatively regulates sprouting angiogenesis via modulating CXCL12-CXCR4 axis signaling. *Angiogenesis*, 28(3), 25.

Liu M, et al. (2025) Mcm5 mutation leads to silencing of Stat1-bcl2 which accelerating apoptosis of immature T lymphocytes with DNA damage. *Cell death & disease*, 16(1), 84.

Deng Z, et al. (2025) Prpf4 sequentially regulates the expansion and maturation of erythrocyte through distinct mechanisms. *Cell death discovery*, 11(1), 555.

Nguyen KUC, et al. (2025) Resolution of inflammation increases erythropoiesis. *Blood. Red cells & iron*, 1(2).

Wang X, et al. (2025) Wdr5-mediated H3K4 methylation facilitates HSPC development via maintenance of genomic stability in zebrafish. *Proceedings of the National Academy of Sciences of the United States of America*, 122(12), e2420534122.

Sartori S, et al. (2025) Zebrafish model reveals developmental and hematopoietic functions of ADAMTS13. *Biology open*, 14(10).

Han X, et al. (2024) Creg1 Regulates Erythroid Development via TGF- β /Smad2-Klf1 Axis in Zebrafish. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 11(33), e2402804.

Röss H, et al. (2023) Transluminal Pillars-Their Origin and Role in the Remodelling of the Zebrafish Caudal Vein Plexus. *International journal of molecular sciences*, 24(23).

Mao A, et al. (2023) Sclerotome-derived PDGF signaling functions as a niche cue responsible for primitive erythropoiesis. *Development (Cambridge, England)*, 150(22).

Maung Ye SS, et al. (2023) A cell-and-plasma numerical model reveals hemodynamic stress and flow adaptation in zebrafish microvessels after morphological alteration. *PLoS computational biology*, 19(12), e1011665.

Salem V, et al. (2019) Leader β -cells coordinate Ca^{2+} dynamics across pancreatic islets in vivo. *Nature metabolism*, 1(6), 615.