

Resource Summary Report

Generated by [kravitz2](#) on Jul 31, 2026

W;WIAR-Izumo1^{em1Osb}

RRID:RGD_329845586

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=329845586>

Proper Citation: RRID:RGD_329845586

Description: Rattus norvegicus with name W;WIAR-Izumo1^{em1Osb} from RGD.

Species: Rattus norvegicus

Notes: Izumo1 KO strain was established by CRISPR/Cas9 system using inbred WIAR (RGD:2304222) (SLC, Inc.). sgRNA:GGTGGCTGCAATAAAGACTT, PAM sequence? TGG. A 7-bp deletion?CTTTGGA?after start codon (Met) in exon2 of Izumo1 gene was detected. After establishment of WIAR background KO rats, this strain was mated with Slc:Wistar (RGD:2314928), hence this mutant is in mix background. Izumo1-deficient male rats are infertile. In female rats, no specific phenotype is observed. [National BioResource Project for the Rat in Japan](#)

Catalog Number: 329845586

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Sperm (as of 2023-12-28)

Alternate IDs: 329845586

Organism Name: W;WIAR-Izumo1^{em1Osb}

Record Creation Time: 20230823T202703+0000

Record Last Update: 20260725T194312+0000

Ratings and Alerts

No rating or validation information has been found for W;WIAR-*Izumo1^{em1Osb}*.

No alerts have been found for W;WIAR-*Izumo1^{em1Osb}*.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We have not found any literature mentions for this resource.