

Resource Summary Report

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

WTC-Kcnq1^{dfk}Kyo

RRID:RGD_2304242

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=2304242>

Proper Citation: RRID:RGD_2304242

Description: Rattus norvegicus with name WTC-Kcnq1^{dfk}Kyo from RGD.

Species: Rattus norvegicus

Notes: Rats with abnormal behaviors such as head-tossing, drawing back, stepping back, and circling were discovered in the N12F10 generation of a WTC.ZI-Atrn^{Zi} congenic strain at the Institute of Laboratory Animals, Graduate School of Medicine, Kyoto University, in 1999. The WTC-Kcnq1^{dfk}/Kyo rat is a mutant for circling behavior. although the Atrn^{Zi} allele of WTC.ZI-Atrn^{Zi} congenic rats was eliminated, the circling behavior remained.

[National BioResource Project for the Rat in Japan](#)

Catalog Number: 2304242

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Sperm (as of 2017-04-05)

Alternate IDs: 2304242

Organism Name: WTC-Kcnq1^{dfk}Kyo

Record Creation Time: 20230509T191938+0000

Record Last Update: 20260725T194248+0000

Ratings and Alerts

No rating or validation information has been found for WTC-*Kcnq1*^{dfk}Kyo.

No alerts have been found for WTC-*Kcnq1*^{dfk}Kyo.

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.