

Resource Summary Report

Generated by ASWG on Jul 30, 2026

GK/Par

RRID:RGD_13506738

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=13506738>

Proper Citation: RRID:RGD_13506738

Description: Rattus norvegicus with name GK/Par from RGD.

Species: Rattus norvegicus

Notes: The Goto-Kakizaki (GK) rat is a non-obese Wistar substrain which develops Type 2 diabetes mellitus early in life. The model was developed by Goto and Kakizaki at Tohoku University, Sendai, Japan in 1975. The GK line was established by repeated inbreeding from Wistar rats selected at the upper limit of normal distribution for glucose tolerance. Repeated selection of rats with tendency to lowest glucose tolerance resulted in clear-cut glucose intolerance after five generation. In 1988, GK/Par substrain was established in Paris, France by initiating breeding pairs F35 from Japanese colonies .

Catalog Number: 13506738

Background: inbred

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 13506738

Organism Name: GK/Par

Record Creation Time: 20230509T191948+0000

Record Last Update: 20260725T194304+0000

Ratings and Alerts

No rating or validation information has been found for GK/Par.

No alerts have been found for GK/Par.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Bailb?? D, et al. (2013) The novel oral drug Subetta exerts an antidiabetic effect in the diabetic Goto-Kakizaki rat: comparison with rosiglitazone. Journal of diabetes research, 2013, 763125.