

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 12, 2026

[Mark3^{tm1Hpw}/Mark3^{tm1Hpw}](#)

RRID:MGI:4830568

Type: Organism

Proper Citation

RRID:MGI:4830568

Organism Information

URL:

Proper Citation: RRID:MGI:4830568

Description: Allele Detail: Targeted This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Targeted This is a legacy resource.

Phenotype: abnormal adipocyte glucose uptake, decreased liver glycogen level, decreased circulating insulin level, decreased brown adipose tissue amount, decreased body weight, abnormal metabolism, abnormal liver physiology, hypoglycemia, decreased white adipose tissue amount, decreased total body fat amount, increased energy expenditure, increased adiponectin level, improved glucose tolerance, postnatal lethality, decreased susceptibility to hepatic steatosis, decreased susceptibility to diet-induced obesity

Affected Gene: Mark3

Genomic Alteration: tm1Hpw

Catalog Number: 4830568

Background: involves: 129X1/SvJ * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:20733003](#)

Organism Name: Mark3^{tm1Hpw}/Mark3^{tm1Hpw}

Record Creation Time: 20240120T190246+0000

Record Last Update: 20240130T201815+0000

Ratings and Alerts

No rating or validation information has been found for Mark3^{tm1Hpw}/Mark3^{tm1Hpw}.

No alerts have been found for Mark3^{tm1Hpw}/Mark3^{tm1Hpw}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We have not found any literature mentions for this resource.