

Resource Summary Report

Generated by [SPARC SAWG](#) on Jul 29, 2026

[Epm2a^{tm1Kzy}/Epm2a^{tm1Kzy}](#)

RRID:MGI:3054886

Type: Organism

Proper Citation

RRID:MGI:3054886

Organism Information

URL:

Proper Citation: RRID:MGI:3054886

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

Species: Mus musculus

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

Phenotype: increased neuron apoptosis, increased circulating cholesterol level, increased body fat mass, increased cardiac cell glucose uptake, abnormal enzyme/coenzyme level, abnormal heart morphology, polyphagia, improved glucose tolerance, hepatic steatosis, increased insulin sensitivity, increased cardiac muscle glycogen level, increased liver triglyceride level, increased liver cholesterol level, hypoglycemia, Lafora bodies, increased energy expenditure, increased oxygen consumption, increased respiratory quotient, increased fluid intake, increased circulating triglyceride level, increased circulating ketone body level, increased circulating free fatty acid level, hippocampal neuron degeneration, Lafora bodies, Purkinje cell degeneration, muscle weakness, increased startle reflex, abnormal passive avoidance behavior, myoclonus, impaired coordination, decreased grip strength, impaired balance, ataxia, axon degeneration, abnormal brain wave pattern, increased body weight

Affected Gene: Epm2a

Genomic Alteration: tm1Kzy

Catalog Number: 3054886

Background: involves: 129P2/OlaHsd * C57BL/6J

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:21493628](#), [PMID:12019206](#)

Organism Name: Epm2a^{tm1Kzy}/Epm2a^{tm1Kzy}

Record Creation Time: 20240120T190650+0000

Record Last Update: 20240130T202033+0000

Ratings and Alerts

No rating or validation information has been found for Epm2a^{tm1Kzy}/Epm2a^{tm1Kzy}.

No alerts have been found for Epm2a^{tm1Kzy}/Epm2a^{tm1Kzy}.

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.