

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 5, 2026

[Speer6-ps1^{tm1Hwu}/Pten^{tm1Hwu}Tg\(Alb-cre\)21Mgn/Speer6-ps1⁺; Pten^{tm1Hwu}/Pten^{tm1Hwu}](#)

RRID:MGI:4829790

Type: Organism

Proper Citation

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Organism Information

URL:

Proper Citation: RRID:MGI:4829790

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

Species: Mus musculus

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

Phenotype: oxidative stress, increased liver triglyceride level, improved glucose tolerance, impaired lipolysis, increased liver weight, pale liver, hepatic steatosis, increased liver glycogen level, increased hepatocyte apoptosis, increased liver weight, increased insulin sensitivity, increased liver triglyceride level, hepatic steatosis, decreased circulating glucose level, decreased circulating insulin level, enlarged liver, increased circulating alanine transaminase level, increased hepatocellular carcinoma incidence, increased liver tumor incidence, abnormal liver morphology, hepatic steatosis, enlarged liver, hepatic steatosis, increased liver triglyceride level, increased hepatocyte proliferation, increased cholangiocarcinoma incidence, decreased circulating free fatty acid level, decreased circulating leptin level, decreased total body fat amount, abnormal fatty acid level

Affected Gene: Pten, Speer6-ps1

Genomic Alteration: tm1Hwu, Tg(Alb-cre)21Mgn

Catalog Number: 4829790

Background: involves: 129S4/SvJae * C57BL/6 * DBA

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:20837017](#), [PMID:20348245](#), [PMID:14769918](#), [PMID:21479224](#)

Organism Name: Speer6-ps1^{Tg(Alb-cre)21Mgn}/Speer6-ps1⁺; Pten^{tm1Hwu}/Pten^{tm1Hwu}

Record Creation Time: 20240120T190247+0000

Record Last Update: 20240130T201815+0000

Ratings and Alerts

No rating or validation information has been found for Speer6-ps1^{Tg(Alb-cre)21Mgn}/Speer6-ps1⁺; Pten^{tm1Hwu}/Pten^{tm1Hwu}.

No alerts have been found for Speer6-ps1^{Tg(Alb-cre)21Mgn}/Speer6-ps1⁺; Pten^{tm1Hwu}/Pten^{tm1Hwu}.

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.