

# Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 1, 2026

[Speer6-ps1<sup>+</sup>Tg\(Alb-cre\)21Mgn/Speer6-ps1<sup>+</sup>; Pten<sup>tm1Hwu</sup>/Pten<sup>tm1Hwu</sup>](#)

RRID:MGI:4829790

Type: Organism

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## Proper Citation

RRID:MGI:4829790

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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<sup>Tg(Alb-cre)21Mgn/Speer6-ps1<sup>+</sup>; Pten<sup>tm1Hwu/Pten<sup>tm1Hwu</sup></sup></sup>

**Record Creation Time:** 20240120T190247+0000

**Record Last Update:** 20240130T201815+0000

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## Ratings and Alerts

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

No alerts have been found for Speer6-ps1<sup>Tg(Alb-cre)21Mgn/Speer6-ps1<sup>+</sup>; Pten<sup>tm1Hwu/Pten<sup>tm1Hwu</sup></sup>.</sup>

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** MGI, Mouse Genome Informatics MGI

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.