

Resource Summary Report

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B6.Cg-Speer6-ps1Tg(Alb-cre)21Mgn/J

RRID:IMSR_JAX:003574

Type: Organism

Proper Citation

RRID:IMSR_JAX:003574

Organism Information

URL: <https://www.jax.org/strain/003574>

Proper Citation: RRID:IMSR_JAX:003574

Description: Mus musculus with name B6.Cg-Speer6-ps1^{Tg(Alb-cre)21Mgn/J} from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Tg(Alb-cre)21Mgn/J. C57BL/6-TgN(Alb-Cre)21Mgn. C57BL/6-Tg(Alb-cre)21Mgn/J. C57BL/6-TgN(AlbCre)21Mgn

Notes: gene symbol note: albumin|spermatogenesis associated glutamate (E)-rich protein 6; pseudogene 1|; mutant strain|congenic strain: Alb|Speer6-ps1|

Affected Gene: albumin|spermatogenesis associated glutamate (E)-rich protein 6; pseudogene 1|

Genomic Alteration: transgene insertion 21; Mark A Magnuson

Catalog Number: JAX:003574

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Speer6-ps1^{Tg(Alb-cre)21Mgn/J}

Record Creation Time: 20250513T053640+0000

Record Last Update: 20260808T050841+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Speer6-ps1^{Tg}(Alb-cre)21Mgn/J.

No alerts have been found for B6.Cg-Speer6-ps1^{Tg}(Alb-cre)21Mgn/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 260 mentions in open access literature.

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

Kim DS, et al. (2026) Soluble epoxide hydrolase in the liver orchestrates abdominal aortic aneurysm formation in mice. *Communications biology*, 9(1).

Plucińska K, et al. (2026) Cell type-specific proximity labeling of organ secretomes reveals energy balance-dependent proteomic remodeling. *bioRxiv : the preprint server for biology*.

Yamamuro T, et al. (2026) Mitochondrial control of glycerolipid synthesis by a PEP shuttle. *Cell*, 189(10), 2988.

Zhou YD, et al. (2026) Tissue-specific tolerance mechanisms and lymph node co-drainage shape T cell immunity in the upper digestive system and pancreatic cancer progression. *Cell reports*, 45(5), 117324.

Patel K, et al. (2026) Chaperone-mediated autophagy is a tumor-suppressive mechanism in hepatocellular carcinoma. *Cell reports*, 45(6), 117390.

Mohiuddin MS, et al. (2026) NgBR controls hepatic adiponectin signaling competence through KAT7-dependent chromatin regulation. *bioRxiv : the preprint server for biology*.

Chen H, et al. (2026) Hepatocyte PIEZO1 Negatively Regulates Lipogenesis and Ameliorates MASLD by Sensing Membrane Tension and Activating AMPK. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(34), e15847.

Jia X, et al. (2026) NAD⁺ hydrolysis catalyzed by SeO is required for mitochondrial homeostasis. *Cell*, 189(9), 2633.

Barrile F, et al. (2026) Ghrelin-induced food intake in male mice requires peripheral extrahepatic GHR signaling. *Endocrinology*, 167(2).

Li D, et al. (2026) A gain-of-function Retsat variant from high-altitude adaptation promotes myelination via a neuronal dihydroretinoic acid-RXR- γ pathway. *Neuron*, 114(10), 1782.

Kwon H, et al. (2026) Glycerol 3-phosphate activates lipid metabolism through GATOR2-dependent regulation of mTORC1. *Science signaling*, 19(946), eaeb7989.

Cheng ST, et al. (2025) Glutamate dehydrogenase 1-dependent α -ketoglutarate promotes hepatitis B virus transcription by modulating histone methylations on the covalently closed circular DNA minichromosome. *Clinical and molecular hepatology*, 31(3), 841.

Zhao M, et al. (2025) ANGPTL3 orchestrates hepatic fructose sensing and metabolism. *Cell reports*, 44(7), 115962.

Hrncir HR, et al. (2025) Sox9 inhibits Activin A to promote biliary maturation and branching morphogenesis. *Nature communications*, 16(1), 1667.

Moya-Garzon MD, et al. (2025) A α -hydroxybutyrate shunt pathway generates anti-obesity ketone metabolites. *Cell*, 188(1), 175.

Liao KM, et al. (2025) Brain miR-137 governs growth and development via GH/IGF-1 signaling. *BMC biology*, 23(1), 197.

Tzouanas CN, et al. (2025) Hepatic adaptation to chronic metabolic stress primes tumorigenesis. *Cell*.

Jiang J, et al. (2025) Hepatic sphingomyelin phosphodiesterase 3 promotes steatohepatitis by disrupting membrane sphingolipid metabolism. *Cell metabolism*, 37(5), 1119.

Fang J, et al. (2025) The context-dependent epigenetic and organogenesis programs determine 3D vs. 2D cellular fitness of MYC-driven murine liver cancer cells. *eLife*, 14.

Gao Y, et al. (2025) T cell cholesterol transport links intestinal immune responses to dietary lipid absorption. *Science (New York, N.Y.)*, 390(6769), eadt4169.