

Resource Summary Report

Generated by [dkNET](#) on Jul 28, 2026

B6.Cg-Tg(Fabp4-cre)1Rev/J

RRID:IMSR_JAX:005069

Type: Organism

Proper Citation

RRID:IMSR_JAX:005069

Organism Information

URL: <https://www.jax.org/strain/005069>

Proper Citation: RRID:IMSR_JAX:005069

Description: Mus musculus with name B6.Cg-Tg(Fabp4-cre)1Rev/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: transgene insertion 1; Ronald M Evans|fatty acid binding protein 4; adipocyte|; mutant strain|congenic strain: Tg(Fabp4-cre)1Rev|Fabp4|

Affected Gene: transgene insertion 1; Ronald M Evans|fatty acid binding protein 4; adipocyte|

Genomic Alteration: transgene insertion 1; Ronald M Evans

Catalog Number: JAX:005069

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: B6.Cg-Tg(Fabp4-cre)1Rev/J

Record Creation Time: 20250513T053648+0000

Record Last Update: 20260725T044358+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Fabp4-cre)1Rev/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Mukai S, et al. (2021) Adipocyte-specific GPRC6A ablation promotes diet-induced obesity by inhibiting lipolysis. The Journal of biological chemistry, 296, 100274.

Schmid A, et al. (2021) CTRP-3 Regulates NOD1-mediated Inflammation and NOD1 Expression in Adipocytes and Adipose Tissue. Inflammation, 44(6), 2260.

Whitson RH, et al. (2021) Mice with Fabp4-Cre ablation of Arid5b are resistant to diet-induced obesity and hepatic steatosis. Molecular and cellular endocrinology, 528, 111246.

Schmid A, et al. (2021) C1q/TNF-Related Protein 3 (CTRP-3) Deficiency of Adipocytes Affects White Adipose Tissue Mass but Not Systemic CTRP-3 Concentrations. International journal of molecular sciences, 22(4).

Li X, et al. (2020) Muscle-dependent regulation of adipose tissue function in long-lived growth hormone-mutant mice. Aging, 12(10), 8766.

Schmid A, et al. (2020) Downregulation of CTRP-3 by Weight Loss In Vivo and by Bile Acids and Incretins in Adipocytes In Vitro. International journal of molecular sciences, 21(21).

Manieri E, et al. (2019) Adiponectin accounts for gender differences in hepatocellular carcinoma incidence. The Journal of experimental medicine, 216(5), 1108.

Heine M, et al. (2018) Lipolysis Triggers a Systemic Insulin Response Essential for Efficient Energy Replenishment of Activated Brown Adipose Tissue in Mice. Cell metabolism, 28(4), 644.

Gulyaeva O, et al. (2018) Sox9-Meis1 Inactivation Is Required for Adipogenesis, Advancing Pref-1+ to PDGFR α + Cells. Cell reports, 25(4), 1002.

Drummond CJ, et al. (2018) Hedgehog Pathway Drives Fusion-Negative Rhabdomyosarcoma Initiated From Non-myogenic Endothelial Progenitors. Cancer cell, 33(1), 108.

Ban Z, et al. (2017) High-Fat Diet Induces Unexpected Fatal Uterine Infections in Mice with aP2-Cre-mediated Deletion of Estrogen Receptor Alpha. Scientific reports, 7, 43269.

Huang Z, et al. (2017) The FGF21-CCL11 Axis Mediates Beiging of White Adipose Tissues by Coupling Sympathetic Nervous System to Type 2 Immunity. *Cell metabolism*, 26(3), 493.

Ikonomov OC, et al. (2016) Unexpected severe consequences of Pikfyve deletion by aP2- or Aq-promoter-driven Cre expression for glucose homeostasis and mammary gland development. *Physiological reports*, 4(11).

Tao W, et al. (2016) Disabled-2 Determines Commitment of a Pre-adipocyte Population in Juvenile Mice. *Scientific reports*, 6, 35947.

Suh JM, et al. (2014) Endocrinization of FGF1 produces a neomorphic and potent insulin sensitizer. *Nature*, 513(7518), 436.

Xue P, et al. (2013) Adipose deficiency of Nrf2 in ob/ob mice results in severe metabolic syndrome. *Diabetes*, 62(3), 845.

Majka SM, et al. (2012) Adipose lineage specification of bone marrow-derived myeloid cells. *Adipocyte*, 1(4), 215.