# Resource Summary Report

Generated by SPARC SAWG on Sep 17, 2026

## Knockout Mouse Project Repository

RRID:SCR_007318
Type: Tool

### Proper Citation

Knockout Mouse Project Repository (RRID:SCR_007318)

### Resource Information

**URL:** http://www.komp.org/

**Proper Citation:** Knockout Mouse Project Repository (RRID:SCR_007318)

**Description:** Repository of mouse vectors, ES cells, mice, embryos, and sperm generated by NIH KOMP Mutagenesis Project. In addition, KOMP Repository offers services in support of KOMP products, including ES cell microinjection, vector cloning, post-insertional modification of cloned ES cells, cryopreservation, assisted reproduction techniques (IVF, ICSI) and mouse breeding, pathology services, phenotyping services, etc. KOMP Repository is final component of more than $50 million trans-NIH initiative to increase availability of genetically altered mice and related materials. The University of California, Davis (UC Davis) and Children''s Hospital Oakland Research Institute (CHORI) in Oakland, Calif., are collaborating to preserve, protect, and make available about 8,500 types of knockout mice and related products available to research community. Products are generated by two KOMP mutagenesis teams (CSD consortium and Regeneron Inc). All KOMP products generated by CSD consortium and Regeneron are available through KOMP Repository. Notice as of December 19, 2019: Materials from KOMP Repository have been deposited into MMRRC, including all mouse models and mouse embryonic stem cell lines. Eventually www.komp.org will be sunsetting, and IMSR will remove KOMP Repository listings, since they were double listed in MMRRC. MMRRC will contain the most accurate and up to date resource models.

**Abbreviations:** KOMP Repository

**Synonyms:** UCDavis KOMP Repository Knockout Mouse Project, KOMP Repository Knockout Mouse Project, UC Davis KOMP Repository Knockout Mouse Project

**Resource Type:** biomaterial supply resource, material resource, organism supplier

**Keywords:** vector, embryonic stem cell, embryo, sperm, germplasm, gene, breeding, mutagenesis, mutation, frozen, cryopreserved, knockout mouse, germline transmission testing, genotyping, in vitro fertilization, intracytoplasmic sperm injection, pathology, pathology service, phenotyping service, phenotype, phenotyping, FASEB list

**Related Condition:** Knock out mouse

**Availability:** For research purposes only

**Resource Name:** Knockout Mouse Project Repository

**Resource ID:** SCR_007318

**Alternate IDs:** nif-0000-00185

**Record Creation Time:** 20220129T080241+0000

**Record Last Update:** 20260912T195653+0000

## Ratings and Alerts

No rating or validation information has been found for Knockout Mouse Project Repository.

No alerts have been found for Knockout Mouse Project Repository.

## Data and Source Information

**Source:** SciCrunch Registry

## Usage and Citation Metrics

We found 302 mentions in open access literature.

**Listed below are recent publications.** The full list is available at SPARC SAWG .

Koppinen TK, et al. (2026) Modulation of the unfolded protein response with a C-terminal fragment of MANF facilitates recovery in models of multiple sclerosis. Molecular therapy : the journal of the American Society of Gene Therapy, 34(2), 1234.

Mauro D, et al. (2026) Intestinal Sclerostin Deficiency Links Gut Dysbiosis to Altered Serotonin Homeostasis in Axial Spondyloarthritis. Inflammation, 49(1), 38.

Ikushima YM, et al. (2026) Adiponectin exerts sex-dependent effects on lipid, amino acid, and glucose metabolism during caloric restriction. PLoS biology, 24(6), e3003821.

Al Nuilati M, et al. (2026) Tentonin 3 regulates the proliferation and migration of neural stem cells during embryonic brain development. BMC biology, 24(1).

Bouma RG, et al. (2026) Histone methyltransferase DOT1L differentially affects the development of dendritic cell subsets. Life science alliance, 9(6).

Choquette GM, et al. (2026) Sclerostin deficiency sensitizes white adipocytes to thermogenic signals that induce beiging in mice. Nature communications, 17(1).

Farooq Z, et al. (2026) Silencing of the Metabolic Gene HKDC1 Is Associated With Aging and Neurodegeneration in Mice and Humans. Aging cell, 25(3), e70419.

Chen CJ, et al. (2026) FRZB-induced anti-angiogenic effect via Caveolin-1-mediated TGF ? signalling. Nature communications, 17(1).

De Gaetano GV, et al. (2025) Role of endosomal toll-like receptors in immune sensing of Klebsiella pneumoniae. Frontiers in immunology, 16, 1538425.

Cheng CW, et al. (2025) RNA-seq analysis reveals transcriptome changes in livers from Efcab4b knockout mice. Biochemistry and biophysics reports, 41, 101944.

Modyanov NN, et al. (2025) Ablation of the Evolutionarily Acquired Functions of the Atp1b4 Gene Increases Metabolic Capacity and Reduces Obesity. Life (Basel, Switzerland), 15(7).

Schaer DJ, et al. (2025) Stress-NRF2 response axis polarizes tumor macrophages and undermines immunotherapy. Journal for immunotherapy of cancer, 13(10).

Mertlitz S, et al. (2025) Leucine-rich ?-2 glycoprotein 1 (LRG1) during inflammatory complications after allogeneic stem cell transplantation and CAR-T cell therapy. Journal for immunotherapy of cancer, 13(3).

Malik M, et al. (2025) Histone methyltransferase DOT1L maintains cell state and restricts cytotoxic potential of CD8 T cells. Science advances, 11(50), eadw1289.

MacMillan AC, et al. (2025) PRPS activity tunes redox homeostasis in Myc-driven lymphoma. bioRxiv : the preprint server for biology.

Keller MA, et al. (2025) Ketone Catabolism Is Essential for Maintaining Normal Heart Function During Aging. Journal of the American Heart Association, 14(21), e042508.

MacMillan AC, et al. (2025) PRPS activity tunes redox homeostasis in Myc-driven lymphoma. Redox biology, 84, 103649.

Li L, et al. (2025) Preventive role of CD163-positive macrophages in postoperative peritoneal adhesions. Inflammation and regeneration, 45(1), 26.

Horiike S, et al. (2025) Biological significance of sperm-independent calcium oscillations in immature oocytes of mice. microPublication biology, 2025.

Hasan M, et al. (2025) Liver-Specific Nanoparticle-Mediated Delivery and MMP-Triggered Release of Veratridine to Effectively Target Metastatic Colorectal Cancer. Cancers, 17(19).