Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 23, 2025

B6.129S2-Trp53^{tm1Tyj}/J

RRID:IMSR_JAX:002101
Type: Organism

Proper Citation

RRID:IMSR_JAX:002101

Organism Information

URL: https://www.jax.org/strain/002101

Proper Citation: RRID:IMSR_JAX:002101

Description: Mus musculus with name B6.129S2-Trp53^{tm1Tyj}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: transformation related protein 53; mutant strain|congenic strain: Trp53

Affected Gene: transformation related protein 53

Genomic Alteration: targeted mutation 1; Tyler Jacks

Catalog Number: JAX:002101

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

Alternate IDs: IMSR_JAX:2101

Organism Name: B6.129S2-Trp53^{tm1Tyj}/J

Record Creation Time: 20230509T193235+0000

Record Last Update: 20250412T090227+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S2-Trp53^{tm1Tyj}/J.

No alerts have been found for B6.129S2-Trp53^{tm1Tyj}/J.

Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 96 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Keahi DL, et al. (2024) G-quadruplexes are a source of vulnerability in BRCA2 deficient granule cell progenitors and medulloblastoma. bioRxiv : the preprint server for biology.

Copeland SE, et al. (2024) MAD1 upregulation sensitizes to inflammation-mediated tumor formation. PLoS genetics, 20(10), e1011437.

Hartl K, et al. (2024) p53 terminates the regenerative fetal-like state after colitis-associated injury. Science advances, 10(43), eadp8783.

Zeng L, et al. (2024) The vitamin D receptor is essential for the replication of pseudorabies virus. mBio, 15(12), e0213724.

Wei SJ, et al. (2024) Ketogenic diet induces p53-dependent cellular senescence in multiple organs. Science advances, 10(20), eado1463.

Ming S, et al. (2024) Alphaherpesvirus manipulates retinoic acid metabolism for optimal replication. iScience, 27(7), 110144.

Lahusen A, et al. (2024) A pancreatic cancer organoid-in-matrix platform shows distinct sensitivities to T cell killing. Scientific reports, 14(1), 9377.

Alsina FC, et al. (2024) The RNA-binding protein EIF4A3 promotes axon development by direct control of the cytoskeleton. Cell reports, 43(9), 114666.

Fifield BA, et al. (2024) Atypical cell cycle regulation promotes mammary stem cell expansion during mammary development and tumourigenesis. Breast cancer research : BCR, 26(1), 106.

Wang J, et al. (2024) A platform of functional studies of ESCC-associated gene mutations

identifies the roles of TGFBR2 in ESCC progression and metastasis. Cell reports, 43(11), 114952.

Mills M, et al. (2024) Single-cell and bulk transcriptional profiling of mouse ovaries reveals novel genes and pathways associated with DNA damage response in oocytes. Developmental biology, 517, 55.

He J, et al. (2023) Inactivation of the tumor suppressor gene Apc synergizes with H. pylori to induce DNA damage in murine gastric stem and progenitor cells. Science advances, 9(46), eadh0322.

Cicardi ME, et al. (2023) C9orf72 poly(PR) mediated neurodegeneration is associated with nucleolar stress. bioRxiv : the preprint server for biology.

Sonowal R, et al. (2023) A microbiota and dietary metabolite integrates DNA repair and cell death to regulate embryo viability and aneuploidy during aging. Science advances, 9(8), eade8653.

Singh R, et al. (2023) Radiotherapy-Induced Neurocognitive Impairment Is Driven by Heightened Apoptotic Priming in Early Life and Prevented by Blocking BAX. Cancer research, 83(20), 3442.

Cicardi ME, et al. (2023) C9orf72 poly(PR) mediated neurodegeneration is associated with nucleolar stress. iScience, 26(9), 107505.

Xu AF, et al. (2023) Subfunctionalized expression drives evolutionary retention of ribosomal protein paralogs Rps27 and Rps27l in vertebrates. eLife, 12.

Stolovich-Rain M, et al. (2023) Extensive elimination of acinar cells during normal postnatal pancreas growth. Cell reports, 42(12), 113457.

Resnick-Silverman L, et al. (2023) In vivo RNA-seq and ChIP-seq analyses show an obligatory role for the C terminus of p53 in conferring tissue-specific radiation sensitivity. Cell reports, 42(3), 112216.

Xu J, et al. (2023) KMT2D Deficiency Promotes Myeloid Leukemias which Is Vulnerable to Ribosome Biogenesis Inhibition. Advanced science (Weinheim, Baden-Wurttemberg, Germany), e2206098.