

Resource Summary Report

Generated by [dkNET](#) on Sep 14, 2026

B6N.129-*Trp53*^{*tm1Ffur*}*Pten*^{*tm1Ffur*}/Mmucd

RRID:MMRRC_043554-UCD

Type: Organism

Proper Citation

RRID:MMRRC_043554-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=43554

Proper Citation: RRID:MMRRC_043554-UCD

Description: Mus musculus with name B6N.129-*Trp53*^{*tm1Ffur*}*Pten*^{*tm1Ffur*}/Mmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: Cancer, Developmental Biology, Neurobiology; Mutation Type: Targeted Mutation ; Collection:

Affected Gene: |Pten|Trp53

Catalog Number: 043554-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Alternate IDs: MMRRC_43554-UCD, MMRRC_043554, MMRRC_43554

Organism Name: B6N.129-*Trp53*^{*tm1Ffur*}*Pten*^{*tm1Ffur*}/Mmucd

Record Creation Time: 20230308T055233+0000

Record Last Update: 20260912T135032+0000

Ratings and Alerts

No rating or validation information has been found for B6N.129-*Trp53^{tm1Ffur}Pten^{tm1Ffur}*/Mmucd.

No alerts have been found for B6N.129-*Trp53^{tm1Ffur}Pten^{tm1Ffur}*/Mmucd.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Peng KL, et al. (2022) Miat and interacting protein Metadherin maintain a stem-like niche to promote medulloblastoma tumorigenesis and treatment resistance. *Proceedings of the National Academy of Sciences of the United States of America*, 119(37), e2203738119.

Teo WS, et al. (2020) Id Proteins Promote a Cancer Stem Cell Phenotype in Mouse Models of Triple Negative Breast Cancer via Negative Regulation of Robo1. *Frontiers in cell and developmental biology*, 8, 552.

Chen HY, et al. (2020) Stress-induced p53 drives BAG5 cochaperone expression to control α -synuclein aggregation in Parkinson's disease. *Aging*, 12(20), 20702.

Comiskey DF, et al. (2018) A novel mouse model of rhabdomyosarcoma underscores the dichotomy of MDM2-ALT1 function in vivo. *Oncogene*, 37(1), 95.

Houde VP, et al. (2017) AMPK α 1 reduces tumor progression and improves survival in p53 null mice. *Molecular oncology*, 11(9), 1143.

Huang PY, et al. (2017) Lgr6 is a stem cell marker in mouse skin squamous cell carcinoma. *Nature genetics*, 49(11), 1624.

Valenti F, et al. (2015) Gain of function mutant p53 proteins cooperate with E2F4 to transcriptionally downregulate RAD17 and BRCA1 gene expression. *Oncotarget*, 6(8), 5547.

Driskell I, et al. (2015) Genetically induced cell death in bulge stem cells reveals their redundancy for hair and epidermal regeneration. *Stem cells (Dayton, Ohio)*, 33(3), 988.

Holmberg Olausson K, et al. (2015) NPM1 histone chaperone is upregulated in glioblastoma to promote cell survival and maintain nucleolar shape. *Scientific reports*, 5, 16495.

Vuong L, et al. (2013) p53 selectively regulates developmental apoptosis of rod photoreceptors. *PloS one*, 8(6), e67381.

Kathiria AS, et al. (2012) Prohibitin 1 modulates mitochondrial stress-related autophagy in human colonic epithelial cells. PloS one, 7(2), e31231.

Singh S, et al. (2012) Regulation of GAD65 expression by SMAR1 and p53 upon Streptozotocin treatment. BMC molecular biology, 13, 28.

Kratz JE, et al. (2002) Expression of stabilized beta-catenin in differentiated neurons of transgenic mice does not result in tumor formation. BMC cancer, 2, 33.