

STOCK *Brca2*^{tm1Brn} *Gt(ROSA)26Sor*^{tm3(CAG-EYFP)Hze}
Trp53^{tm1Brn} *Nkx3-1*^{tm4(cre/ERT2)Mms} *Pten*^{tm1Hwu} /AbshnJ

Stock No: 033754 | Npp53BR2

 Targeted Mutation

Please contact Technical Support for more information

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mutations and may be useful when studying prostate cancer.

Donating Investigator

Corinne Abate-Shen, Columbia University Medical Center

READ MORE +

GENETIC OVERVIEW

Genetic Background

Generation

?+N2F1
(2021-04-08 00:00:00)

Trp53^{tm1Brn}

Alele Type

Targeted (Conditional ready (e.g. floxed), No functional change)

Gene Symbol

Trp53

Gene Name

transformation related protein 53

Pten^{tm1Hwu}

Alele Type

Targeted (Conditional ready (e.g. floxed), No functional change)

Gene Symbol

Pten

Gene Name

phosphatase and tensin homolog

Gt(ROSA)26Sor^{tm3(CAG-EYFP)Hze}

Alele Type

Targeted (Conditional ready (e.g. floxed), Reporter)

Gene Symbol

Gt(ROSA)26Sor

Gene Name

gene trap ROSA 26, Philippe Soriano

Brca2^{tm1Brn}

Alele Type	Gene Symbol	Gene Name
Targeted (Conditional ready (e.g. floxed), No functional change)	<i>Brca2</i>	breast cancer 2, early onset

Nkx3-1^{tm4(cre/ERT2)Mms}

Alele Type	Gene Symbol	Gene Name
Targeted (Recombinase-expressing, Inducible, Null/Knockout)	<i>Nkx3-1</i>	NK3 homeobox 1

V I E W G E N E T I C S

RESEARCH APPLICATIONS

Cell Biology Research
 Research Tools
 Cancer Research

V I E W A L L R E S E A R C H A P P L I C A T I O N S

Details

+ Development

+ Expression Data

+ Control Suggestions

Genetics

+ *Trp53^{tm1Brn}*

+ [Pten^{tm1Hwu}](#)

+ [Gt\(ROSA\)26Sor^{tm3\(CAG-EYFP\)Hze}](#)

+ [Brca2^{tm1Brn}](#)

+ [Nkx3-1^{tm4\(cre/ERT2\)Mms}](#)

– Disease/Phenotype

+ [Disease Terms](#)

+ [Research Areas By Phenotype](#)

+ [Mammalian Phenotype Terms by Genotype](#)

+ [References](#)

– Technical Support

C O N T A C T T E C H N I C A L S U P P O R T

Genotyping Protocols

Separated PCR:[Gt\(ROSA\)26Sor\(CAG-EYFP\)](#)

Probe:[Trp53 Probe](#)

Standard PCR:[Gt\(ROSA\)26Sor\(CAG-EYFP\)](#)

Probe:[Pten Probe Alternate1](#)

Separated PCR:[Nkx3-1](#)

Standard PCR:[Brca2](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, all alleles may be kept homozygous.

[Additional Breeding and Husbandry Support](#)

Citation

When using the NPP53BR2 mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #033754 in your Materials and Methods section.

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Email

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Number of Mice

Frequency

Product

Comment

Frequency...

Products...

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LICENSING INFORMATION

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Email: TechTran@jax.org

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By Allele

By Gene

By Collection





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