

FVB/N-Dgka *TgTn(sb-cHS4, Tyr)2320A-2Ove* /Mmjax

MMRRC Stock No: **36271-JAX**

 [Coisogenic](#), [Transgenic](#), [Transposon Induced Mutation](#)

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lentiposon transgene (LV2229). The donating investigator reports the phenotype of homozygous mice as: males are sterile.

Donating Investigator

Paul A Overbeek, Baylor College of Medicine

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GENETIC OVERVIEW

Genetic Background

Generation

Dgka *TgTn(sb-cHS4, Tyr)2320A-2Ove*

Allele Type

Transgenic (Inserted expressed sequence)

VIEW GENETICS

RESEARCH APPLICATIONS

Reproductive Biology Research

VIEW ALL RESEARCH APPLICATIONS

Details

Detailed Description

These OVE#2320A-2 mice harbor a mutation created by random insertion of the SB-cHS4core-SB-Tyro-WPRE-FUGW lentiposon transgene (LV2229). Using inverse PCR analysis, the transgene integration site was identified in last exon of the diacylglycerol kinase, alpha gene (*Dgka*) on chromosome 10 (specifically at the 5'-128,157,556(-) bp position). The donating investigator reports the phenotype of homozygous mice as: males are sterile.

Development

Expression Data

Control Suggestions

Genetics

Dgka^{TgTn(sb-cHS4, Tyr)2320A-2Ove}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

Genotyping Protocols

Separated MCA:[Dgka-3'](#)

Separated PCR:[Dgka-3'](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, heterozygous mice may be bred together, bred with wildtype siblings, or bred with FVB/N inbred mice.

[Additional Breeding and Husbandry Support](#)

Citation

When using the FVB/N-*Dgka*^{TgTn(sb-cHS4,Tyr)2320A-2Ove}/Mmjax mouse strain in a publication, please [cite the originating article\(s\)](#) and include MMRRC stock #36271 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, [G200](#)

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Email: TechTran@jax.org

Related Strains

All

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