

Resource Summary Report

Generated by [kravitz2](#) on Jul 29, 2026

[Brip1](#)[Gt\(RRI409\)Byg](#)/[Brip1](#)[Gt\(RRI409\)Byg](#)

RRID:MGI:5771573

Type: Organism

Proper Citation

RRID:MGI:5771573

Organism Information

URL:

Proper Citation: RRID:MGI:5771573

Description: Allele Detail: Gene trapped This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Gene trapped This is a legacy resource.

Phenotype: increased cellular sensitivity to DNA damaging agents, increased tumor incidence, increased lymphoma incidence, chromosomal instability, abnormal DNA replication, testicular atrophy, small testis, ovary cysts, increased Harderian gland adenoma incidence, abnormal seminiferous tubule epithelium morphology, increased adenocarcinoma incidence, decreased litter size, decreased cell proliferation, abnormal spermatogonia morphology, abnormal seminiferous tubule morphology, abnormal double-strand DNA break repair, abnormal X-Y chromosome synapsis during male meiosis, decreased primordial germ cell proliferation, increased primordial germ cell apoptosis, abnormal chiasmata formation, decreased primordial germ cell number, decreased testis weight, oligozoospermia, small testis, abnormal spermatogonia proliferation, abnormal cell physiology, abnormal chromosome morphology, abnormal double-strand DNA break repair, decreased testis weight, reduced fertility, early cellular replicative senescence, increased pituitary adenoma incidence, increased adenoma incidence, abnormal cell physiology, induced chromosome breakage, hepatic steatosis, abnormal ovary development, endometrium hyperplasia, testis hypoplasia, abnormal primary ovarian follicle morphology, Sertoli cell hyperplasia

Affected Gene: Brip1

Genomic Alteration: Gt(RRI409)Byg

Catalog Number: 5771573

Background: involves: 129P2/OlaHsd

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:26637282](#), [PMID:26490168](#)

Organism Name: Brip1^{Gt(RRI409)Byg}/Brip1^{Gt(RRI409)Byg}

Record Creation Time: 20240120T185905+0000

Record Last Update: 20240130T201603+0000

Ratings and Alerts

No rating or validation information has been found for Brip1^{Gt(RRI409)Byg}/Brip1^{Gt(RRI409)Byg}.

No alerts have been found for Brip1^{Gt(RRI409)Byg}/Brip1^{Gt(RRI409)Byg}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We have not found any literature mentions for this resource.