

Resource Summary Report

Generated by [ASWG](#) on Aug 19, 2026

[Rad50^{tm2Jpt}/Rad50^{tm2Jpt}; Smc1a^{tm1Mbk}/Smc1a^{tm1Mbk}](#)

RRID:MGI:3615687

Type: Organism

Proper Citation

RRID:MGI:3615687

Organism Information

URL:

Proper Citation: RRID:MGI:3615687

Description: Allele Detail: Targeted This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Targeted This is a legacy resource.

Phenotype: premature death, abnormal hematopoietic system morphology/development, anemia, abnormal pro-B cell morphology, decreased macrophage cell number, decreased double-negative T cell number

Affected Gene: Smc1a, Rad50

Genomic Alteration: tm2Jpt, tm1Mbk

Catalog Number: 3615687

Background: involves: 129S1/Sv * 129S7/SvEvBrd * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:16357220](#)

Organism Name: Rad50^{tm2Jpt}/Rad50^{tm2Jpt}; Smc1a^{tm1Mbk}/Smc1a^{tm1Mbk}

Record Creation Time: 20240120T190607+0000

Record Last Update: 20240130T202009+0000

Ratings and Alerts

No rating or validation information has been found for Rad50^{tm2Jpt}/Rad50^{tm2Jpt}; Smc1a^{tm1Mbk}/Smc1a^{tm1Mbk}.

No alerts have been found for Rad50^{tm2Jpt}/Rad50^{tm2Jpt}; Smc1a^{tm1Mbk}/Smc1a^{tm1Mbk}.

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.