

Resource Summary Report

Generated by [NIF](#) on Aug 15, 2026

[Notch3^{Gt\(PST033\)Byg}/Notch3^{Gt\(PST033\)Byg}; Notch2^{Gt\(LST103\)Byg}/Notch2⁺](#)

RRID:MGI:4418249

Type: Organism

Proper Citation

RRID:MGI:4418249

Organism Information

URL:

Proper Citation: RRID:MGI:4418249

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

Species: Mus musculus

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

Phenotype: abnormal lung development, impaired lung alveolus development, neonatal lethality, complete penetrance

Affected Gene: Notch2, Notch3

Genomic Alteration: Gt(LST103)Byg, Gt(PST033)Byg

Catalog Number: 4418249

Background: involves: 129P2/OlaHsd

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:19897741](#)

Organism Name: Notch3^{Gt(PST033)Byg}/Notch3^{Gt(PST033)Byg}; Notch2^{Gt(LST103)Byg}/Notch2⁺

Record Creation Time: 20240120T190312+0000

Ratings and Alerts

No rating or validation information has been found for Notch3^{Gt(PST033)Byg}/Notch3^{Gt(PST033)Byg}; Notch2^{Gt(LST103)Byg}/Notch2⁺.

No alerts have been found for Notch3^{Gt(PST033)Byg}/Notch3^{Gt(PST033)Byg}; Notch2^{Gt(LST103)Byg}/Notch2⁺.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Wang Q, et al. (2012) Notch2 and Notch3 function together to regulate vascular smooth muscle development. PloS one, 7(5), e37365.