

Resource Summary Report

Generated by [ASWG](#) on Aug 10, 2026

BKa.Cg-Ptprc^b Bmi1 Thy1/J

RRID:IMSR_JAX:017351

Type: Organism

Proper Citation

RRID:IMSR_JAX:017351

Organism Information

URL: <https://www.jax.org/strain/017351>

Proper Citation: RRID:IMSR_JAX:017351

Description: Mus musculus with name BKa.Cg-Ptprc^b Bmi1 Thy1/J from [IMSR](#).

Species: Mus musculus

Notes: gene symbol note: protein tyrosine phosphatase receptor type C|thymus cell antigen 1; theta|Bmi1 proto-oncogene; polycomb ring finger|; mutant strain|congenic strain: Ptprc|Thy1|Bmi1|

Affected Gene: protein tyrosine phosphatase receptor type C|thymus cell antigen 1; theta|Bmi1 proto-oncogene; polycomb ring finger|

Genomic Alteration: b variant|a variant|targeted mutation 1; Irving L Weissman

Catalog Number: JAX:017351

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: BKa.Cg-Ptprc^b Bmi1 Thy1/J

Record Creation Time: 20250513T053732+0000

Record Last Update: 20260808T050936+0000

Ratings and Alerts

No rating or validation information has been found for BKa.Cg-Ptprc^b Bmi1 Thy1/[J](#).

No alerts have been found for BKa.Cg-Ptprc^b Bmi1 Thy1/[J](#).

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Smith NR, et al. (2025) Dual states of murine Bmi1-expressing intestinal stem cells drive epithelial development utilizing non-canonical Wnt signaling. *Developmental cell*, 60(16), 2177.

Kim MJ, et al. (2018) PAF-Myc-Controlled Cell Stemness Is Required for Intestinal Regeneration and Tumorigenesis. *Developmental cell*, 44(5), 582.

Jadhav U, et al. (2017) Dynamic Reorganization of Chromatin Accessibility Signatures during Dedifferentiation of Secretory Precursors into Lgr5+ Intestinal Stem Cells. *Cell stem cell*, 21(1), 65.

Yan KS, et al. (2017) Intestinal Enteroendocrine Lineage Cells Possess Homeostatic and Injury-Inducible Stem Cell Activity. *Cell stem cell*, 21(1), 78.