

Resource Summary Report

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

B6;SJL-Tg(Krt1-15-cre/PGR*)22Cot/J

RRID:IMSR_JAX:005249

Type: Organism

Proper Citation

RRID:IMSR_JAX:005249

Organism Information

URL: <https://www.jax.org/strain/005249>

Proper Citation: RRID:IMSR_JAX:005249

Description: Mus musculus with name B6;SJL-Tg(Krt1-15-cre/PGR*)22Cot/J from IMSR.

Species: Mus musculus

Synonyms: B6;SJL-Tg(Krt1-15-cre/PGR)22Cot/J

Notes: gene symbol note: |progesterone receptor|keratin 15|transgene insertion 22; George Cotsarelis; mutant stock: |PGR|Krt15|Tg(Krt1-15-cre/PGR*)22Cot

Affected Gene: |progesterone receptor|keratin 15|transgene insertion 22; George Cotsarelis

Genomic Alteration: transgene insertion 22; George Cotsarelis

Catalog Number: JAX:005249

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: B6;SJL-Tg(Krt1-15-cre/PGR*)22Cot/J

Record Creation Time: 20250513T053649+0000

Record Last Update: 20260808T050850+0000

Ratings and Alerts

No rating or validation information has been found for B6;SJL-Tg(Krt1-15-cre/PGR*)22Cot/J.

No alerts have been found for B6;SJL-Tg(Krt1-15-cre/PGR*)22Cot/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Chen H, et al. (2025) Intermittent fasting triggers interorgan communication to suppress hair follicle regeneration. *Cell*, 188(1), 157.

Nguyen KA, et al. (2025) Activation of PI3K and deletion of p53 in keratin 15-expressing mouse mammary cells induces tumor heterogeneity and plasticity modeling metaplastic breast cancer. *The Journal of pathology*, 267(2), 213.

Farrelly O, et al. (2021) Two-photon live imaging of single corneal stem cells reveals compartmentalized organization of the limbal niche. *Cell stem cell*, 28(7), 1233.

Li MY, et al. (2021) UV-induced reduction in Polycomb repression promotes epidermal pigmentation. *Developmental cell*, 56(18), 2547.

Sakamoto K, et al. (2021) Disruption of the endopeptidase ADAM10-Notch signaling axis leads to skin dysbiosis and innate lymphoid cell-mediated hair follicle destruction. *Immunity*, 54(10), 2321.

Ankawa R, et al. (2021) Apoptotic cells represent a dynamic stem cell niche governing proliferation and tissue regeneration. *Developmental cell*, 56(13), 1900.

Villarreal-Ponce A, et al. (2020) Keratinocyte-Macrophage Crosstalk by the Nrf2/Ccl2/EGF Signaling Axis Orchestrates Tissue Repair. *Cell reports*, 33(8), 108417.

Lisse TS, et al. (2020) GDNF promotes hair formation and cutaneous wound healing by targeting bulge stem cells. *NPJ Regenerative medicine*, 5, 13.

Shwartz Y, et al. (2020) Cell Types Promoting Goosebumps Form a Niche to Regulate Hair Follicle Stem Cells. *Cell*, 182(3), 578.

Sullivan WJ, et al. (2018) Extracellular Matrix Remodeling Regulates Glucose Metabolism through TXNIP Destabilization. *Cell*, 175(1), 117.