

Resource Summary Report

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

B6N.Cg-Tg(KRT14-cre)1Amc/J

RRID:IMSR_JAX:018964

Type: Organism

Proper Citation

RRID:IMSR_JAX:018964

Organism Information

URL: <https://www.jax.org/strain/018964>

Proper Citation: RRID:IMSR_JAX:018964

Description: Mus musculus with name B6N.Cg-Tg(KRT14-cre)1Amc/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: keratin 14|transgene insertion 1; Andrew P McMahon|; mutant strain|congenic strain: KRT14|Tg(KRT14-cre)1Amc|

Affected Gene: keratin 14|transgene insertion 1; Andrew P McMahon|

Genomic Alteration: transgene insertion 1; Andrew P McMahon

Catalog Number: JAX:018964

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6N.Cg-Tg(KRT14-cre)1Amc/J

Record Creation Time: 20250513T053739+0000

Record Last Update: 20260725T044447+0000

Ratings and Alerts

No rating or validation information has been found for B6N.Cg-Tg(KRT14-cre)1Amc/J.

No alerts have been found for B6N.Cg-Tg(KRT14-cre)1Amc/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 34 mentions in open access literature.

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

Scott-Solomon E, et al. (2026) Stress-induced sympathetic hyperactivation drives hair follicle necrosis to trigger autoimmunity. *Cell*, 189(1), 252.

Peng Y, et al. (2025) Tolerance to non-inherited maternal antigen is sustained by LysM+ CD11c+ maternal microchimeric cells. *Immunity*, 58(9), 2176.

Das M, et al. (2025) *S. aureus* exposure during cutaneous antigen sensitization causes basophil- and interleukin-4-dependent exaggerated food anaphylaxis. *Immunity*.

Senapati B, et al. (2025) KCTD1/KCTD15-Mediated Repression of AP-2/AP-2 Is Required for Proper Skin Appendage Development and Epidermal Homeostasis. *The Journal of investigative dermatology*.

Díaz NM, et al. (2025) Opsin 5 mediates violet light-accelerated wound healing in mammalian corneas. *Cell reports*, 44(8), 116045.

Tongmuang N, et al. (2024) Floxed Il1rl2 Locus with mCherry Reporter Element Reveals Distinct Expression Patterns of the IL-36 Receptor in Barrier Tissues. *Cells*, 13(9).

Zhang H, et al. (2024) AP-2/AP-2 Transcription Factors Are Key Regulators of Epidermal Homeostasis. *The Journal of investigative dermatology*, 144(7), 1505.

Hua X, et al. (2023) Epidermal Loss of ROR γ Enhances Skin Inflammation in a MC903-Induced Mouse Model of Atopic Dermatitis. *International journal of molecular sciences*, 24(12).

Raymundo JR, et al. (2023) KCTD1/KCTD15 complexes control ectodermal and neural crest cell functions, and their impairment causes aplasia cutis. *The Journal of clinical investigation*, 134(4).

Harbour JC, et al. (2023) T helper 1 effector memory CD4+ T cells protect the skin from poxvirus infection. *Cell reports*, 42(5), 112407.

Zhang H, et al. (2023) AP-2/AP-2 transcription factors are key regulators of epidermal homeostasis. *bioRxiv : the preprint server for biology*.

Han Y, et al. (2022) Coordinate control of basal epithelial cell fate and stem cell maintenance by core EMT transcription factor Zeb1. *Cell reports*, 38(2), 110240.

Lamontagne JO, et al. (2022) Transcription factors AP-2 α and AP-2 β regulate distinct segments of the distal nephron in the mammalian kidney. *Nature communications*, 13(1), 2226.

Guo T, et al. (2022) KDM6B interacts with TFDP1 to activate P53 signaling in regulating mouse palatogenesis. *eLife*, 11.

Dong X, et al. (2022) Keratinocyte-derived defensins activate neutrophil-specific receptors Mrgpra2a/b to prevent skin dysbiosis and bacterial infection. *Immunity*, 55(9), 1645.

Yang K, et al. (2022) Cytoplasmic RNA quality control failure engages mTORC1-mediated autoinflammatory disease. *The Journal of clinical investigation*, 132(2).

Konger RL, et al. (2021) Epidermal PPAR γ Is a Key Homeostatic Regulator of Cutaneous Inflammation and Barrier Function in Mouse Skin. *International journal of molecular sciences*, 22(16).

Avgustinova A, et al. (2021) Repression of endogenous retroviruses prevents antiviral immune response and is required for mammary gland development. *Cell stem cell*, 28(10), 1790.

Uberoi A, et al. (2021) Commensal microbiota regulates skin barrier function and repair via signaling through the aryl hydrocarbon receptor. *Cell host & microbe*, 29(8), 1235.

Lima-Junior DS, et al. (2021) Endogenous retroviruses promote homeostatic and inflammatory responses to the microbiota. *Cell*, 184(14), 3794.