

Resource Summary Report

Generated by [NIF](#) on Aug 13, 2026

C57BL/6-Tg(Vav1-NUP98/HOXD13)G2Apla/J

RRID:IMSR_JAX:010505

Type: Organism

Proper Citation

RRID:IMSR_JAX:010505

Organism Information

URL: <https://www.jax.org/strain/010505>

Proper Citation: RRID:IMSR_JAX:010505

Description: Mus musculus with name C57BL/6-Tg(Vav1-NUP98/HOXD13)G2Apla/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: homeobox D13|transgene insertion G2; Peter Aplan|nucleoporin 98|vav guanine nucleotide exchange factor 1; coisogenic strain|mutant strain: HOXD13|Tg(Vav1-NUP98/HOXD13)G2Apla|NUP98|Vav1

Affected Gene: homeobox D13|transgene insertion G2; Peter Aplan|nucleoporin 98|vav guanine nucleotide exchange factor 1

Genomic Alteration: transgene insertion G2; Peter Aplan

Catalog Number: JAX:010505

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6-Tg(Vav1-NUP98/HOXD13)G2Apla/J

Record Creation Time: 20250513T053716+0000

Record Last Update: 20260808T050920+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Tg(Vav1-NUP98/HOXD13)G2Apl/J.

No alerts have been found for C57BL/6-Tg(Vav1-NUP98/HOXD13)G2Apl/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Wu J, et al. (2025) A correlation of ineffective erythropoiesis and dysregulated signaling pathways in myelodysplastic syndromes/neoplasms. *Experimental hematology & oncology*, 14(1), 71.

Mosialou I, et al. (2025) A niche driven mechanism determines response and a mutation-independent therapeutic approach for myeloid malignancies. *Cancer cell*, 43(6), 1007.

Konturek-Ciesla A, et al. (2025) A non-genotoxic stem cell therapy boosts lymphopoiesis and averts age-related blood diseases in mice. *Nature communications*, 16(1), 5129.

Hayashi Y, et al. (2022) MDS cells impair osteolineage differentiation of MSCs via extracellular vesicles to suppress normal hematopoiesis. *Cell reports*, 39(6), 110805.

Monlish DA, et al. (2020) TLR2/6 signaling promotes the expansion of premalignant hematopoietic stem and progenitor cells in the NUP98-HOXD13 mouse model of MDS. *Experimental hematology*, 88, 42.