

Resource Summary Report

Generated by [Kravitz](#) on Sep 20, 2026

B6.Cg-Padi4^{tm1.2Kmow/J}

RRID:IMSR_JAX:026708

Type: Organism

Proper Citation

RRID:IMSR_JAX:026708

Organism Information

URL: <https://www.jax.org/strain/026708>

Proper Citation: RRID:IMSR_JAX:026708

Description: Mus musculus with name B6.Cg-Padi4^{tm1.2Kmow/J} from IMSR.

Species: Mus musculus

Synonyms: B6(Cg)-Padi4/J

Notes: gene symbol note: peptidyl arginine deiminase; type IV; mutant strain|congenic strain: Padi4

Affected Gene: peptidyl arginine deiminase; type IV

Genomic Alteration: targeted mutation 1.2; Kerri A Mowen

Catalog Number: JAX:026708

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.Cg-Padi4^{tm1.2Kmow/J}

Record Creation Time: 20250513T053758+0000

Record Last Update: 20260919T054943+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Padi4^{tm1.2Kmow/J}.

No alerts have been found for B6.Cg-Padi4^{tm1.2Kmow/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Rodella A, et al. (2025) Oncostatin M is dispensable for the regulation of hematopoietic stem/progenitor cell traffic by neutrophils. *iScience*, 28(6), 112646.

Pitter MR, et al. (2024) PAD4 controls tumor immunity via restraining the MHC class II machinery in macrophages. *Cell reports*, 43(3), 113942.

Carai P, et al. (2023) Neutrophil inhibition improves acute inflammation in a murine model of viral myocarditis. *Cardiovascular research*, 118(17), 3331.

Palko SI, et al. (2023) Peptidyl arginine deiminase 4 deficiency protects against subretinal fibrosis by inhibiting M??ller glial hypercitrullination. *Journal of neuroscience research*, 101(4), 464.

Van Bruggen S, et al. (2023) Neutrophil peptidylarginine deiminase 4 is essential for detrimental age-related cardiac remodelling and dysfunction in mice. *Philosophical transactions of the Royal Society of London. Series B, Biological sciences*, 378(1890), 20220475.

Deng H, et al. (2022) A Novel Selective Inhibitor JBI-589 Targets PAD4-Mediated Neutrophil Migration to Suppress Tumor Progression. *Cancer research*, 82(19), 3561.

Lebratti T, et al. (2021) A sustained type I IFN-neutrophil-IL-18 axis drives pathology during mucosal viral infection. *eLife*, 10.