

# Resource Summary Report

Generated by T1D on Sep 7, 2026

## B6.Cg-Padi4<sup>tm1.2Kmow/J</sup>

RRID:IMSR\_JAX:026708

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:026708

### Organism Information

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

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**Description:** Mus musculus with name B6.Cg-Padi4<sup>tm1.2Kmow/J</sup> 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<sup>tm1.2Kmow/J</sup>

**Record Creation Time:** 20250513T053758+0000

**Record Last Update:** 20260905T044536+0000

### Ratings and Alerts

No rating or validation information has been found for B6.Cg-Padi4<sup>tm1.2Kmow/J</sup>.

No alerts have been found for B6.Cg-Padi4<sup>tm1.2Kmow/J</sup>.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 7 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [T1D](#).

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.