

Resource Summary Report

Generated by [dkNET](#) on Aug 23, 2026

VC289

RRID:WB-STRAIN:WBStrain00035650

Type: Organism

Proper Citation

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Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00035650>

Proper Citation: RRID:WB-STRAIN:WBStrain00035650

Description: Caenorhabditis elegans with name prdx-2(gk169) II. from WB.

Species: Caenorhabditis elegans

Synonyms: prdx-2(gk169) II.

Notes: F09E5.15. Superficially wild type.["Mutagen:UV/TMP"]["This strain was provided by the C. elegans Reverse Genetics Core Facility at the University of British Columbia, which is part of the international C. elegans Gene Knockout Consortium, which should be acknowledged in any publications resulting from its use."]

Affected Gene: WBGene00006434(prdx-2)

Genomic Alteration: WBGene00006434(prdx-2)

Catalog Number: WB-STRAIN:WBStrain00035650

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:22369044](#), [PMID:36791646](#)

Alternate IDs: WB-STRAIN:VC289, CGC_VC289

Organism Name: VC289

Record Creation Time: 20230227T013648+0000

Ratings and Alerts

No rating or validation information has been found for VC289.

No alerts have been found for VC289.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Almotayri AM, et al. (2025) Amitriptyline increases food intake via prdx-2 without altering other physiological parameters in *C. elegans* under a modified bacterial diet. *Scientific reports*, 15(1), 29428.

Xia Q, et al. (2024) Peroxiredoxin 2 regulates DAF-16/FOXO mediated mitochondrial remodelling in response to exercise that is disrupted in ageing. *Molecular metabolism*, 88, 102003.

Liu Y, et al. (2024) Neuronal PRDX-2-Mediated ROS Signaling Regulates Food Digestion via peripheral UPRmt Activation. *Nature communications*, 15(1), 10582.

Hermeling JC, et al. (2022) Mitochondria-originated redox signalling regulates KLF-1 to promote longevity in *Caenorhabditis elegans*. *Redox biology*, 58, 102533.

Oláhová M, et al. (2015) A peroxiredoxin, PRDX-2, is required for insulin secretion and insulin/IIS-dependent regulation of stress resistance and longevity. *Aging cell*, 14(4), 558.