

# Resource Summary Report

Generated by [NIF](#) on Aug 31, 2026

## **RB781**

RRID:WB-STRAIN:WBStrain00031494

Type: Organism

### Proper Citation

RRID:WB-STRAIN:WBStrain00031494

### Organism Information

**URL:** <http://www.wormbase.org/db/get?name=WBStrain00031494>

**Proper Citation:** RRID:WB-STRAIN:WBStrain00031494

**Description:** Caenorhabditis elegans with name pkc-1(ok563) V. from WB.

**Species:** Caenorhabditis elegans

**Synonyms:** pkc-1(ok563) V.

**Notes:** F57F5.5. Homozygous. Outer Left Sequence: AAATTGTGAAACCGCACACA. Outer Right Sequence: TTGCAGCTATCCTGAACACG. Inner Left Sequence: TTCGGTAAGCCAAGTTGGAG. Inner Right Sequence: GGCGAGCAGTAGCACACATA. Inner primer WT PCR product: 2594.|"Made\_by: OMRF Knockout Group"|"Mutagen:UV/TMP"|"This strain was provided by the C. elegans Gene Knockout Project at the Oklahoma Medical Research Foundation, which was part of the International C. elegans Gene Knockout Consortium, which should be acknowledged in any publications resulting from its use."

**Affected Gene:** WBGene00004032(pkc-1)

**Genomic Alteration:** WBGene00004032(pkc-1)

**Catalog Number:** WB-STRAIN:WBStrain00031494

**Database:** WormBase (WB)

**Database Abbreviation:** WB

**Availability:** available

**Source References:** [PMID:37416472](#)

**Alternate IDs:** WB-STRAIN:RB781, CGC\_RB781

**Organism Name:** RB781

**Record Creation Time:** 20230227T013616+0000

**Record Last Update:** 20260829T162126+0000

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## Ratings and Alerts

No rating or validation information has been found for RB781.

No alerts have been found for RB781.

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## Data and Source Information

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

**Source Database:** WormBase (WB)

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## Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Akinyemi AJ, et al. (2019) Lead (Pb) exposure induces dopaminergic neurotoxicity in *Caenorhabditis elegans*: Involvement of the dopamine transporter. *Toxicology reports*, 6, 833.

Liu P, et al. (2019) Dysregulation of Neuronal G??o Signaling by Graphene Oxide in Nematode *Caenorhabditis elegans*. *Scientific reports*, 9(1), 6026.

Chen H, et al. (2017) Graphene Oxide Dysregulates Neuroligin/NLG-1-Mediated Molecular Signaling in Interneurons in *Caenorhabditis elegans*. *Scientific reports*, 7, 41655.