

Resource Summary Report

Generated by [NIF](#) on Sep 7, 2026

RB681

RRID:WB-STRAIN:WBStrain00031419

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00031419

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00031419>

Proper Citation: RRID:WB-STRAIN:WBStrain00031419

Description: Caenorhabditis elegans with name cat-1(ok411) X. from WB.

Species: Caenorhabditis elegans

Synonyms: cat-1(ok411) X.

Notes: 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."|"W01C8.6. Homozygous. Outer Left Sequence: CCATTGAATGTGCAACGAAC. Outer Right Sequence: ATGGATTAGCAGTCCATCGC. Inner Left Sequence: TCGAGTGACCTCAAACATGC. Inner Right Sequence: ATGCAAGCATACTGGGAAGG. Inner primer WT PCR product: 2850."|"WBStrain provided so WBPaper00060405 paper added based on AFP_Strain data."

Affected Gene: WBGene00000295(cat-1)

Genomic Alteration: WBGene00000295(cat-1)

Catalog Number: WB-STRAIN:WBStrain00031419

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:33007049](#)

Alternate IDs: WB-STRAIN:RB681, CGC_RB681

Organism Name: RB681

Record Creation Time: 20230227T013616+0000

Record Last Update: 20260905T115234+0000

Ratings and Alerts

No rating or validation information has been found for RB681.

No alerts have been found for RB681.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Lee I, et al. (2024) Effect of altered production and storage of dopamine on development and behavior in *C. elegans*. *Frontiers in toxicology*, 6, 1374866.

Crisford A, et al. (2020) Identification and characterisation of serotonin signalling in the potato cyst nematode *Globodera pallida* reveals new targets for crop protection. *PLoS pathogens*, 16(10), e1008884.