

Resource Summary Report

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JPS574

RRID:WB-STRAIN:WBStrain00022731

Type: Organism

Proper Citation

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Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00022731>

Proper Citation: RRID:WB-STRAIN:WBStrain00022731

Description: Caenorhabditis elegans with name slo-1(js379) V; vsIs48; vxEx339. from WB.

Species: Caenorhabditis elegans

Synonyms: slo-1(js379) V; vsIs48; vxEx339.

Notes: vsIs48 [unc-17::GFP]. GFP expressed in all cholinergic neurons. vxEx339 [slo-1p::hslo(+):mCherry::unc-54 3'UTR + myo-2p::mCherry]. Pick animals with mCherry expression in the pharynx to maintain the array. vxEx339 rescues ethanol-independent and ethanol intoxication phenotypes of a slo-1(null) mutants. vxEx339 expresses human BK channel protein (hslo(+)) with a C-terminal mCherry tag. Reference: Davis SJ, Scott LL, Hu K & Pierce-Shimomura JT. J Neurosci. 2014 Jul 16;34(29):9562-73.

Affected Gene: WBGene00004830(slo-1)

Genomic Alteration: WBGene00004830(slo-1)

Catalog Number: WB-STRAIN:WBStrain00022731

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Alternate IDs: WB-STRAIN:JPS574, CGC_JPS574

Organism Name: JPS574

Record Creation Time: 20230227T013510+0000

Record Last Update: 20260808T171210+0000

Ratings and Alerts

No rating or validation information has been found for JPS574.

No alerts have been found for JPS574.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Yang W, et al. (2024) Hispidol Regulates Behavioral Responses to Ethanol through Modulation of BK Channels: A Novel Candidate for the Treatment of Alcohol Use Disorder. Molecules (Basel, Switzerland), 29(19).