

# Resource Summary Report

Generated by [nidm-terms](#) on Jul 28, 2026

## B6.Cg-Dbh<sup>tm3.2(cre)</sup>Pjen/J

RRID:IMSR\_JAX:033951

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:033951

### Organism Information

**URL:** <https://www.jax.org/strain/033951>

**Proper Citation:** RRID:IMSR\_JAX:033951

**Description:** Mus musculus with name B6.Cg-Dbh<sup>tm3.2(cre)</sup>Pjen/J from IMSR.

**Species:** Mus musculus

**Notes:** gene symbol note: dopamine beta hydroxylase; mutant strain|congenic strain: Dbh

**Affected Gene:** dopamine beta hydroxylase

**Genomic Alteration:** targeted mutation 3.2; Patricia Jensen

**Catalog Number:** JAX:033951

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** live

**Organism Name:** B6.Cg-Dbh<sup>tm3.2(cre)</sup>Pjen/J

**Record Creation Time:** 20250513T053839+0000

**Record Last Update:** 20260725T044535+0000

### Ratings and Alerts

No rating or validation information has been found for B6.Cg-Dbh<sup>tm3.2(cre)</sup>Pjen/J.

No alerts have been found for B6.Cg-Dbh<sup>tm3.2(cre)</sup>Pjen/J.

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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 15 mentions in open access literature.

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

Liu YA, et al. (2025) Phase synchrony between prefrontal noradrenergic and cholinergic signals indexes inhibitory control. Nature communications, 16(1), 7260.

Kuo CC, et al. (2025) Circuit-selective pharmacological targeting of prefrontal cortex-projecting locus coeruleus neurons drives antinociception. Cell reports, 44(10), 116294.

Ogg MC, et al. (2025) Locus coeruleus norepinephrine neurons facilitate orbitofrontal cortex remapping and behavioral flexibility. Cell reports, 44(12), 116687.

Chen H, et al. (2025) Intermittent fasting triggers interorgan communication to suppress hair follicle regeneration. Cell, 188(1), 157.

Wei Y, et al. (2025) Sympathetic functional units encoded by genetically defined postganglionic neurons. Neuron.

Olson WP, et al. (2025) Muscle spindles provide flexible sensory feedback for movement sequences. Cell reports, 44(11), 116452.

Pagiazitis JG, et al. (2025) Catecholaminergic dysfunction drives postural and locomotor deficits in a mouse model of spinal muscular atrophy. Cell reports, 44(1), 115147.

Piantadosi SC, et al. (2025) An integrated microfluidic and fluorescence platform for probing in vivo neuropharmacology. Neuron, 113(10), 1491.

Weiss E, et al. (2025) The contribution of the locus coeruleus - norepinephrine system to the coupling between pupil-linked arousal and cortical state. bioRxiv : the preprint server for biology.

Wang T, et al. (2024) Conditional c-MYC activation in catecholaminergic cells drives distinct neuroendocrine tumors: neuroblastoma vs somatostatinoma. bioRxiv : the preprint server for biology.

Liu YA, et al. (2024) Phase synchrony between prefrontal noradrenergic and cholinergic signals indexes inhibitory control. bioRxiv : the preprint server for biology.

Lou Q, et al. (2024) A noradrenergic pathway for the induction of pain by sleep loss. Current biology : CB, 34(12), 2644.

Weiss E, et al. (2024) Optogenetic Locus Coeruleus Stimulation Improves Pupil Size Tracking of Cortical State. Annual International Conference of the IEEE Engineering in Medicine and Biology Society. IEEE Engineering in Medicine and Biology Society. Annual International Conference, 2024, 1.

Collins L, et al. (2023) Cholinergic and noradrenergic axonal activity contains a behavioral-state signal that is coordinated across the dorsal cortex. eLife, 12.

Collins L, et al. (2021) Vagus nerve stimulation induces widespread cortical and behavioral activation. Current biology : CB, 31(10), 2088.