

Resource Summary Report

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

B6.Cg-Npy^{tm1.1(flpo)}Hze/J

RRID:IMSR_JAX:030211

Type: Organism

Proper Citation

RRID:IMSR_JAX:030211

Organism Information

URL: <https://www.jax.org/strain/030211>

Proper Citation: RRID:IMSR_JAX:030211

Description: Mus musculus with name B6.Cg-Npy^{tm1.1(flpo)}Hze/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: neuropeptide Y|; mutant strain|congenic strain: Npy|

Affected Gene: neuropeptide Y|

Genomic Alteration: targeted mutation 1.1; Hongkui Zeng

Catalog Number: JAX:030211

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Npy^{tm1.1(flpo)}Hze/J

Record Creation Time: 20250513T053813+0000

Record Last Update: 20260815T050725+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Npy^{tm1.1(flpo)}Hze/J.

No alerts have been found for B6.Cg-Npy^{tm1.1(flpo)}Hze/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

McKnight AD, et al. (2026) Attenuated hypothalamic response to fructose via a dedicated gut-brain pathway. *Neuron*.

Li Y, et al. (2026) A spatial and projection-based transcriptomic atlas of paraventricular hypothalamic cell types. *Cell reports*, 45(2), 116904.

Walker SJ, et al. (2026) A hypothalamic circuit for anticipating future changes in energy balance. *Neuron*.

Wang T, et al. (2025) Identification of a neural basis for energy expenditure in the mouse arcuate hypothalamus. *Neuron*.

Solheim MH, et al. (2025) Hypothalamic PNOC/NPY neurons constitute mediators of leptin-controlled energy homeostasis. *Cell*, 188(13), 3550.

Douglass AM, et al. (2025) Acute and circadian feedforward regulation of agouti-related peptide hunger neurons. *Cell metabolism*, 37(3), 708.

Kumari R, et al. (2024) Sympathetic NPY controls glucose homeostasis, cold tolerance, and cardiovascular functions in mice. *Cell reports*, 43(2), 113674.

Frank MM, et al. (2023) Experience-dependent flexibility in a molecularly diverse central-to-peripheral auditory feedback system. *eLife*, 12.

Wu SJ, et al. (2023) Cortical somatostatin interneuron subtypes form cell-type-specific circuits. *Neuron*, 111(17), 2675.

Kumari R, et al. (2023) Sympathetic NPY controls glucose homeostasis, cold tolerance, and cardiovascular functions in mice. *bioRxiv : the preprint server for biology*.

Szabo GG, et al. (2022) Ripple-selective GABAergic projection cells in the hippocampus. *Neuron*, 110(12), 1959.

Lee BR, et al. (2021) Scaled, high fidelity electrophysiological, morphological, and transcriptomic cell characterization. *eLife*, 10.

Yao Z, et al. (2021) A taxonomy of transcriptomic cell types across the isocortex and hippocampal formation. *Cell*, 184(12), 3222.

Mazzone CM, et al. (2020) High-fat food biases hypothalamic and mesolimbic expression of consummatory drives. *Nature neuroscience*, 23(10), 1253.

Chen J, et al. (2020) A Vagal-NTS Neural Pathway that Stimulates Feeding. *Current biology : CB*, 30(20), 3986.

Gouwens NW, et al. (2020) Integrated Morphoelectric and Transcriptomic Classification of Cortical GABAergic Cells. *Cell*, 183(4), 935.

Daigle TL, et al. (2018) A Suite of Transgenic Driver and Reporter Mouse Lines with Enhanced Brain-Cell-Type Targeting and Functionality. *Cell*, 174(2), 465.