

Resource Summary Report

Generated by [nidm-terms](#) on Sep 2, 2026

[Nadk^{tm1e\(EUCOMM\)}Wtsi](#)

RRID:IMSR_EUMMCR:1349

Type: Organism

Proper Citation

RRID:IMSR_EUMMCR:1349

Organism Information

URL:

Proper Citation: RRID:IMSR_EUMMCR:1349

Description: Mus musculus with name Nadk^{tm1e(EUCOMM)}Wtsi from IMSR.

Species: Mus musculus

Notes: gene symbol note: NAD kinase; mutant strain: Nadk

Affected Gene: NAD kinase

Genomic Alteration: targeted mutation 1e; Wellcome Trust Sanger Institute

Catalog Number: EUMMCR:1349

Database: European Mouse Mutant Cell Repository

Database Abbreviation: EuMMCR

Availability: ES Cell

Organism Name: Nadk^{tm1e(EUCOMM)}Wtsi

Record Creation Time: 20250513T061606+0000

Record Last Update: 20260829T053718+0000

Ratings and Alerts

No rating or validation information has been found for Nadk^{tm1e(EUCOMM)}Wtsi.

No alerts have been found for Nadk^{tm1e(EUCOMM)}Wtsi.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: European Mouse Mutant Cell Repository

Usage and Citation Metrics

We found 28 mentions in open access literature.

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

Abd Alla J, et al. (2026) Analysis of GRK2 aggregation in the pathology of Alzheimer disease in animal models. Cell reports. Medicine, 7(4), 102707.

Tisi A, et al. (2025) Alterations of endocannabinoid signaling and microglia reactivity in the retinas of AD-like mice precede the onset of hippocampal β -amyloid plaques. Journal of neurochemistry, 169(2), e16256.

Calvo-Rodriguez M, et al. (2024) Real-time imaging of mitochondrial redox reveals increased mitochondrial oxidative stress associated with amyloid β aggregates in vivo in a mouse model of Alzheimer's disease. Molecular neurodegeneration, 19(1), 6.

Wilson EN, et al. (2024) TREM1 disrupts myeloid bioenergetics and cognitive function in aging and Alzheimer disease mouse models. Nature neuroscience, 27(5), 873.

Liu P, et al. (2024) A β ₅₆ is a stable oligomer that impairs memory function in mice. iScience, 27(3), 109239.

Seedhom MO, et al. (2024) Paradoxical imbalance between activated lymphocyte protein synthesis capacity and rapid division rate. eLife, 12.

Elia A, et al. (2023) Amyloid β induces cardiac dysfunction and neuro-signaling impairment in the heart of an Alzheimer's disease model. bioRxiv : the preprint server for biology.

Simon M, et al. (2022) Loss of perivascular aquaporin-4 localization impairs glymphatic exchange and promotes amyloid β plaque formation in mice. Alzheimer's research & therapy, 14(1), 59.

Bergamini G, et al. (2022) Longitudinal assessment of aggression and circadian rhythms in the APPswe mouse model of Alzheimer's disease. Physiology & behavior, 250, 113787.

Borgstedt L, et al. (2022) Isoflurane has no effect on cognitive or behavioral performance in a mouse model of early-stage Alzheimer's disease. Frontiers in neuroscience, 16, 1033729.

Piccialli I, et al. (2022) Increased KV2.1 Channel Clustering Underlies the Reduction of Delayed Rectifier K⁺ Currents in Hippocampal Neurons of the Tg2576 Alzheimer's Disease Mouse. Cells, 11(18).

Lordén G, et al. (2022) Enhanced activity of Alzheimer disease-associated variant of protein kinase C γ drives cognitive decline in a mouse model. *Nature communications*, 13(1), 7200.

Salazar JG, et al. (2021) Paraoxonase-1 and -3 Protein Expression in the Brain of the Tg2576 Mouse Model of Alzheimer's Disease. *Antioxidants (Basel, Switzerland)*, 10(3).

Bevan RJ, et al. (2020) Retinal ganglion cell degeneration correlates with hippocampal spine loss in experimental Alzheimer's disease. *Acta neuropathologica communications*, 8(1), 216.

Tackenberg C, et al. (2020) Familial Alzheimer's disease mutations at position 22 of the amyloid β -peptide sequence differentially affect synaptic loss, tau phosphorylation and neuronal cell death in an ex vivo system. *PloS one*, 15(9), e0239584.

Calvo-Rodriguez M, et al. (2020) Increased mitochondrial calcium levels associated with neuronal death in a mouse model of Alzheimer's disease. *Nature communications*, 11(1), 2146.

Ciccone R, et al. (2019) Amyloid β -Induced Upregulation of Nav1.6 Underlies Neuronal Hyperactivity in Tg2576 Alzheimer's Disease Mouse Model. *Scientific reports*, 9(1), 13592.

Findley CA, et al. (2019) Amyloid Beta-Related Alterations to Glutamate Signaling Dynamics During Alzheimer's Disease Progression. *ASN neuro*, 11, 1759091419855541.

Whitesell JD, et al. (2019) Whole brain imaging reveals distinct spatial patterns of amyloid beta deposition in three mouse models of Alzheimer's disease. *The Journal of comparative neurology*, 527(13), 2122.

György B, et al. (2018) CRISPR/Cas9 Mediated Disruption of the Swedish APP Allele as a Therapeutic Approach for Early-Onset Alzheimer's Disease. *Molecular therapy. Nucleic acids*, 11, 429.