Resource Summary Report

Generated by Kravitz on Sep 17, 2026

Apoe$^{tm1(APOE*2)Mae}$/Apoe$^{tm1(APOE*2)Mae}$

RRID:MGI:3695702
Type: Organism

Proper Citation

RRID:MGI:3695702

Organism Information

URL:

Proper Citation: RRID:MGI:3695702

Description: Allele Detail: Targeted This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Targeted This is a legacy resource.

Phenotype: liver/biliary system phenotype, increased circulating cholesterol level, increased susceptibility to atherosclerosis, abnormal lipid level, increased circulating triglyceride level, abnormal lipid homeostasis, abnormal retinal pigment epithelium morphology, increased circulating cholesterol level, retinal degeneration, hyperlipidemia, abnormal Bruch membrane morphology, atherosclerotic lesions, abnormal lipid level, abnormal lipid homeostasis, xanthoma, increased circulating triglyceride level

Affected Gene: Apoe

Genomic Alteration: tm1(APOE*2)Mae

Catalog Number: 3695702

Background: involves: 129P2/OlaHsd * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: PMID:11076954, PMID:9649566, PMID:16079201

Organism Name: Apoe$^{tm1(APOE*2)Mae}$/Apoe$^{tm1(APOE*2)Mae}$

Record Creation Time: 20240120T190535+0000

Record Last Update: 20240130T201950+0000

Ratings and Alerts

No rating or validation information has been found for Apoe$^{tm1(APOE*2)Mae}$/Apoe $^{tm1(APOE*2)Mae}$.

No alerts have been found for Apoe$^{tm1(APOE*2)Mae}$/Apoe$^{tm1(APOE*2)Mae}$.

Data and Source Information

Source: Integrated Animals

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at Kravitz .

Labuza A, et al. (2025) Aging, Rather than Genotype, Is the Principal Contributor to Differential Gene Expression Within Targeted Replacement APOE2, APOE3, and APOE4 Mouse Brain. Brain sciences, 15(10).

Peng KY, et al. (2024) Apolipoprotein E2 Expression Alters Endosomal Pathways in a Mouse Model With Increased Brain Exosome Levels During Aging. Traffic (Copenhagen, Denmark), 25(5), e12937.

Shinohara M, et al. (2020) APOE2 is associated with longevity independent of Alzheimer's disease. eLife, 9.