

Resource Summary Report

Generated by PRECISE-TBI on Aug 2, 2026

B6.129P2-Apoa1^{tm1Unc}/J

RRID:IMSR_JAX:002055

Type: Organism

Proper Citation

RRID:IMSR_JAX:002055

Organism Information

URL: <https://www.jax.org/strain/002055>

Proper Citation: RRID:IMSR_JAX:002055

Description: Mus musculus with name B6.129P2-Apoa1^{tm1Unc}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: apolipoprotein A-I; mutant strain|congenic strain: Apoa1

Affected Gene: apolipoprotein A-I

Genomic Alteration: targeted mutation 1; University of North Carolina

Catalog Number: JAX:002055

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129P2-Apoa1^{tm1Unc}/J

Record Creation Time: 20250513T053629+0000

Record Last Update: 20260801T050334+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-Apoa1^{tm1Unc}/J.

No alerts have been found for B6.129P2-Apoa1^{tm1Unc}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Kluck GEG, et al. (2023) Apolipoprotein A1 Protects Against Necrotic Core Development in Atherosclerotic Plaques: PDZK1-Dependent High-Density Lipoprotein Suppression of Necroptosis in Macrophages. *Arteriosclerosis, thrombosis, and vascular biology*, 43(1), 45.

Oberle R, et al. (2022) The HDL particle composition determines its antitumor activity in pancreatic cancer. *Life science alliance*, 5(9).

Button EB, et al. (2021) Development of a novel, sensitive translational immunoassay to detect plasma glial fibrillary acidic protein (GFAP) after murine traumatic brain injury. *Alzheimer's research & therapy*, 13(1), 58.

Zamanian-Daryoush M, et al. (2020) Site-specific 5-hydroxytryptophan incorporation into apolipoprotein A-I impairs cholesterol efflux activity and high-density lipoprotein biogenesis. *The Journal of biological chemistry*, 295(15), 4836.

Neufeld EB, et al. (2019) ApoA-I-Mediated Lipoprotein Remodeling Monitored with a Fluorescent Phospholipid. *Biology*, 8(3).

Button EB, et al. (2019) ApoA-I deficiency increases cortical amyloid deposition, cerebral amyloid angiopathy, cortical and hippocampal astrogliosis, and amyloid-associated astrocyte reactivity in APP/PS1 mice. *Alzheimer's research & therapy*, 11(1), 44.

Huang LH, et al. (2019) Interleukin-17 Drives Interstitial Entrapment of Tissue Lipoproteins in Experimental Psoriasis. *Cell metabolism*, 29(2), 475.

Gowdy KM, et al. (2015) Key role for scavenger receptor B-I in the integrative physiology of host defense during bacterial pneumonia. *Mucosal immunology*, 8(3), 559.