

Resource Summary Report

Generated by [dkNET](#) on Aug 22, 2026

[Akr1a1^{tm1e\(EUCOMM\)}Wtsi](#)

RRID:IMSR_EUMMCR:332

Type: Organism

Proper Citation

RRID:IMSR_EUMMCR:332

Organism Information

URL:

Proper Citation: RRID:IMSR_EUMMCR:332

Description: Mus musculus with name Akr1a1^{tm1e(EUCOMM)}Wtsi from IMSR.

Species: Mus musculus

Notes: gene symbol note: aldo-keto reductase family 1; member A1 (aldehyde reductase); mutant strain: Akr1a1

Affected Gene: aldo-keto reductase family 1; member A1 (aldehyde reductase)

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

Catalog Number: EUMMCR:332

Database: European Mouse Mutant Cell Repository

Database Abbreviation: EuMMCR

Availability: ES Cell

Organism Name: Akr1a1^{tm1e(EUCOMM)}Wtsi

Record Creation Time: 20250513T061754+0000

Record Last Update: 20260815T055147+0000

Ratings and Alerts

No rating or validation information has been found for Akr1a1^{tm1e(EUCOMM)}Wtsi.

No alerts have been found for Akr1a1^{tm1e(EUCOMM)}Wtsi.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: European Mouse Mutant Cell Repository

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Korkmaz FT, et al. (2022) Lectin-like oxidized low-density lipoprotein receptor 1 attenuates pneumonia-induced lung injury. JCI insight, 7(23).

Chen CH, et al. (2020) Electronegative low-density lipoprotein of patients with metabolic syndrome induces pathogenesis of aorta through disruption of the stimulated by retinoic acid??6 cascade. Journal of diabetes investigation, 11(3), 535.

Hashimoto K, et al. (2018) LOX-1 deficient mice show resistance to zymosan-induced arthritis. European journal of histochemistry : EJH, 62(1), 2847.

Chen CH, et al. (2016) Electronegative low density lipoprotein induces renal apoptosis and fibrosis: STRA6 signaling involved. Journal of lipid research, 57(8), 1435.

Al-Banna N, et al. (2013) Oxidized LDL and LOX-1 in experimental sepsis. Mediators of inflammation, 2013, 761789.

Mikkelsen L, et al. (2011) Modest effect on plaque progression and vasodilatory function in atherosclerosis-prone mice exposed to nanosized TiO(2). Particle and fibre toxicology, 8, 32.

Vesterdal LK, et al. (2010) Pulmonary exposure to carbon black nanoparticles and vascular effects. Particle and fibre toxicology, 7, 33.

Jacobsen NR, et al. (2009) Lung inflammation and genotoxicity following pulmonary exposure to nanoparticles in ApoE-/- mice. Particle and fibre toxicology, 6, 2.

Vesterdal LK, et al. (2009) Modest vasomotor dysfunction induced by low doses of C60 fullerenes in apolipoprotein E knockout mice with different degree of atherosclerosis. Particle and fibre toxicology, 6, 5.