

Resource Summary Report

Generated by [dkNET](#) on Sep 3, 2026

C57BL/6JSmo-Akt2^{em1Smoc}

RRID:IMSR_NM-KO-190742

Type: Organism

Proper Citation

RRID:IMSR_NM-KO-190742

Organism Information

URL: https://www.modelorg.bio/portal/article/index.html?id=171698&post_type=3

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Description: Mus musculus with name C57BL/6JSmo-Akt2^{em1Smoc} from IMSR.

Species: Mus musculus

Notes: gene symbol note: Akt serine/threonine kinase 2; mutant strain: Akt2

Affected Gene: Akt serine/threonine kinase 2

Genomic Alteration: endonuclease-mediated mutation 1; Shanghai Model Organisms Center

Catalog Number: NM-KO-190742

Database: Shanghai Model Organisms Center, Inc.

Database Abbreviation: SMOC

Availability: sperm

Organism Name: C57BL/6JSmo-Akt2^{em1Smoc}

Record Creation Time: 20250513T061959+0000

Record Last Update: 20260829T054225+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6JSmo-Akt2^{em1Smoc}.

No alerts have been found for C57BL/6JSmo-Akt2^{em1Smoc}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Shanghai Model Organisms Center, Inc.

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Ryu Y, et al. (2019) Animal Models for Human Polycystic Ovary Syndrome (PCOS) Focused on the Use of Indirect Hormonal Perturbations: A Review of the Literature. International journal of molecular sciences, 20(11).

Lan A, et al. (2014) Akt2 is involved in loss of epithelial cells and renal fibrosis following unilateral ureteral obstruction. PloS one, 9(8), e105451.

Mukherjee A, et al. (2014) Distinct actions of akt1 on skeletal architecture and function. PloS one, 9(3), e93040.

Vichaiwong K, et al. (2010) Contraction regulates site-specific phosphorylation of TBC1D1 in skeletal muscle. The Biochemical journal, 431(2), 311.