

Akt1-KO

Nomenclature	C57BL/6Smoc- <i>Akt1</i> ^{em1Smoc}
Cat. NO.	NM-KO-190741
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol Akt1	Synonyms	Akt, PKB, Rac, LTR-akt, PKB/Akt, PKBalpha
	NCBI ID	11651
	MGI ID	87986
	Ensembl ID	ENSMUSG000000001729
	Human Ortholog	AKT1

Model Description

Exon 2 of Akt1 gene was deleted to generate Akt1 knockout mice.

Research Application: Pro-Inflammatory, Anti-Apoptotic and Stress Responses related.

*Literature published using this strain should indicate: Akt1-KO mice (Cat. NO. NM-KO-190741) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Schizophrenia	Phenotype(s)	MGI:2674288
	Reference(s)	Emamian ES, Hall D, Birnbaum MJ, Karayiorgou M, Gogos JA, Convergent evidence for impaired AKT1-GSK3beta signaling in schizophrenia. Nat Genet. 2004 Feb;36(2):131-7

Validation Data

No data