

Syn1-KO

系統名	C57BL/6Smoc- <i>Syn1</i> ^{em1Smoc}
SMOC番号	NM-KO-191042
維持形態	Embryo cryopreservation

遺伝子の概要

Gene Symbol Syn1	Synonyms	Syn-1, Syn1-S
	NCBI ID	20964
	MGI ID	98460
	Ensembl ID	ENSMUSG00000037217
	Human Ortholog	SYN1

説明

Exon 4 of Syn1 gene was deleted to generate Syn1 knockout mice.

応用分野: Nervous system, CNS synapse formation and transmission, X-linked disease (such as Rett syndrome)

*Literature published using this strain should indicate: Syn1-KO mice (Cat. NO. NM-KO-191042) were purchased from Shanghai Model Organisms Center, Inc..

病気の予測

Epilepsy	表現型	MGI:5698534 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Syn2-KO(NM-KO-201079) and Syn3-KO(NM-KO-2112673) mice.
	参考文献	Ketzel M, Kahn J, Weissberg I, Becker AJ, Friedman A, Gitler D, Compensatory network alterations upon onset of epilepsy in synapsin triple knock-out mice. Neuroscience. 2011 Aug 25;189:108-22

Autism Spectrum Disorder	表現型	MGI:5517482
	参考文献	Greco B, Manago F, Tucci V, Kao HT, Valtorta F, Benfenati F, Autism-related behavioral abnormalities in synapsin knockout mice. Behav Brain Res. 2013 Aug 15;251:65-74

表現型データ

No data