App-KO

系統名	C57BL/6Smoc-*App*^{em1Smoc}
SMOC番号	NM-KO-190444
維持形態	Sperm cryopreservation

遺伝子の概要

Gene Symbol App	Synonyms	Ag，Abpp，Adap，Cvap，Abeta，betaApp，E030013M08Rik
	NCBI ID	11820
	MGI ID	88059
	Ensembl ID	ENSMUSG00000022892
	Human Ortholog	APP

説明

exon 3 of App gene was deleted to generate App knockout mice.

応用分野：neuronal differentiation/migration, synaptic regulation and Alzheimer's disease related

*Literature published using this strain should indicate: App-KO mice (Cat. NO. NM-KO-190444) were purchased from Shanghai Model Organisms Center, Inc..

病気の予測

Alzheimer's Disease	表現型	MGI:4847595 Note：The expected phenotype(s) may be observed in the above-mentioned mice that bred with Psen1-KO(NM-KO-202110) mice.
	参考文献	Guo Q, Zheng H, Justice NJ, Central CRF system perturbation in an Alzheimer's disease knockin mouse model. Neurobiol Aging. 2012 Nov;33(11):2678-91

Niemann-Pick Disease	表現型	MGI:5305067 Note：The expected phenotype(s) may be observed in the above-mentioned mice that bred with Npc1-KO(NM-KO-205053) mice.
	参考文献	Nunes A, Pressey SN, Cooper JD, Soriano S, Loss of amyloid precursor protein in a mouse model of Niemann-Pick type C disease exacerbates its phenotype and disrupts tau homeostasis. Neurobiol Dis. 2011 Jun;42(3):349-59
Alzheimer's Disease	表現型	MGI:2174917
	参考文献	Dawson GR, Seabrook GR, Zheng H, Smith DW, Graham S, O'Dowd G, Bowery BJ, Boyce S, Trumbauer ME, Chen HY, Van der Ploeg LH, Sirinathsinghji DJ, Age-related cognitive deficits, impaired long-term potentiation and reduction in synaptic marker density in mice lacking the beta-amyloid precursor protein. Neuroscience. 1999 Apr;90(1):1-13

表現型データ

No data