Npc1-KO

系統名	C57BL/6Smoc-*Npc1*^{em1Smoc}
SMOC番号	NM-KO-205053
維持形態	Sperm cryopreservation

遺伝子の概要

Gene Symbol	**Synonyms**	spm, lcsd, C85354, nmf164, D18Ertd139e, D18Ertd723e, A430089E03Rik
	NCBI ID	18145
	MGI ID	1097712
	Ensembl ID	ENSMUSG00000024413
	Human Ortholog	NPC1

説明

Exon 9 of Npc1 gene was deleted to generate Npc1 knockout mice.
*Literature published using this strain should indicate: Npc1-KO mice (Cat. NO. NM-KO-205053) were purchased from Shanghai Model Organisms Center, Inc..

病気の予測

Niemann-Pick disease	**表現型**	MGI:4359169 Note：The expected phenotype(s) may be observed in the above-mentioned mice that bred with Nr1H2-KO(NM-KO-2110634) mice.
	参考文献	Repa JJ, Li H, Frank-Cannon TC, Valasek MA, Turley SD, Tansey MG, Dietschy JM, Liver X receptor activation enhances cholesterol loss from the brain, decreases neuroinflammation, and increases survival of the NPC1 mouse. J Neurosci. 2007 Dec 26;27(52):14470-80

Niemann-Pick disease	**表現型**	MGI:5305067 Note：The expected phenotype(s) may be observed in the above-mentioned mice that bred with App-KO(NM-KO-190444) 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
Niemann-Pick disease	**表現型**	MGI:2386740 Note：The expected phenotype(s) may be observed in the above-mentioned mice that bred with Abcb1a-KO(NM-KO-200904) mice.
	参考文献	Erickson RP, Kiela M, Devine PJ, Hoyer PB, Heidenreich RA, mdr1a deficiency corrects sterility in Niemann-Pick C1 protein deficient female mice. Mol Reprod Dev. 2002 Jun;62(2):167-73
Niemann-Pick disease	**表現型**	MGI:4436744
	参考文献	Elrick MJ, Pacheco CD, Yu T, Dadgar N, Shakkottai VG, Ware C, Paulson HL, Lieberman AP, Conditional Niemann-Pick C mice demonstrate cell autonomous Purkinje cell neurodegeneration. Hum Mol Genet. 2010 Mar 1;19(5):837-47
Niemann-Pick Disease Type C1	**表現型**	MGI:6359481
	参考文献	Gomez-Grau M, Albaiges J, Casas J, Auladell C, Dierssen M, Vilageliu L, Grinberg D, New murine Niemann-Pick type C models bearing a pseudoexon-generating mutation recapitulate the main neurobehavioural and molecular features of the disease. Sci Rep. 2017 Feb 7;7:41931

表現型デ□タ

No data