

Npc1-KO

品系全名	C57BL/6Smoc- <i>Npc1</i> ^{em1Smoc}
目录号	NM-KO-205053
品系状态	精子冻存

基因信息

基因名	基因曾用名	spm, lcsd, C85354, nmf164, D18ErtD139e, D18ErtD723e, A430089E03Rik
	NCBI ID	18145
	MGI ID	1097712
	Ensembl ID	ENSMUSG00000024413
	基因标记细胞类型举例	脾脏单核细胞
	人类同源基因	NPC1
	人类同源基因关联疾病	尼曼-匹克病

品系描述

敲除Npc1基因exon 9, 建立Npc1基因敲除小鼠模型。

*使用本品系发表的文献需注明: Npc1-KO mice (Cat. NO. NM-KO-205053) were purchased from Shanghai Model Organisms Center, Inc..

疾病预测

Niemann-Pick 病 C1 型 Niemann-Pick Disease Type C1	近似模型的表型	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

鞘磷脂沉积病（尼曼-匹克病） Niemann-Pick Disease	近似模型的表型	MGI:2386740 注：该品系需与Abcb1a-KO(NM-KO-200904)交配才可能获得预期表型
	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
鞘磷脂沉积病（尼曼-匹克病） Niemann-Pick Disease	近似模型的表型	MGI:4359169 注：该品系需与Nr1H2-KO(NM-KO-2110634)交配才可能获得预期表型
	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
鞘磷脂沉积病（尼曼-匹克病） Niemann-Pick Disease	近似模型的表型	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
鞘磷脂沉积病（尼曼-匹克病） Niemann-Pick Disease	近似模型的表型	MGI:5305067 注：该品系需与App-KO(NM-KO-190444)交配才可能获得预期表型
	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

验证数据

暂无数据