

Abca4-KO

品系全名	C57BL/6Smoc- <i>Abca4</i> ^{em1Smoc}
目录号	NM-KO-2104711
品系状态	活体

基因信息

基因名 Abca4	基因曾用名	RmP, Abcr, Abc10, AW050280, D430003I15Rik
	NCBI ID	11304
	MGI ID	109424
	Ensembl ID	ENSMUSG00000028125
	人类同源基因	ABCA4
	人类同源基因关联疾病	STARGARDT病、锥杆营养不良、色素性视网膜炎

品系描述

通过敲除Abca4基因exon 2，建立Abca4基因敲除小鼠模型。

*使用本品系发表的文献需注明: Abca4-KO mice (Cat. NO. NM-KO-2104711) were purchased from Shanghai Model Organisms Center, Inc..

疾病预测

黄斑变性疾病 Stargardt Disease	近似模型的表型	MGI:2653823
	参考文献	Weng J, Mata NL, Azarian SM, Tzekov RT, Birch DG, Travis GH, Insights into the function of Rim protein in photoreceptors and etiology of Stargardt's disease from the phenotype in abcr knockout mice. Cell. 1999 Jul 9;98(1):13-23

黄斑变性疾病 Stargardt Disease	近似模型的表型	MGI:6159294 注：该品系需与Rdh8-KO(NM-KO-2109660)交配才可能获得预期表型
	参考文献	Wu Y, Jin Q, Yao K, Zhao J, Chen J, Wu X, Gan L, Li J, Song X, Liu X, Cai X, Retinal metabolism in humans induces the formation of an unprecedented lipofuscin fluorophore 'pdA2E'. Biochem J. 2014 Jun 15;460(3):343-52
年龄相关性黄斑变性 Age Related Macular Degeneration 2	近似模型的表型	MGI:4410294 注：该品系需与Rdh8-KO(NM-KO-2109660)交配才可能获得预期表型
	参考文献	Maeda T, Maeda A, Matosky M, Okano K, Roos S, Tang J, Palczewski K, Evaluation of potential therapies for a mouse model of human age-related macular degeneration caused by delayed all-trans-retinal clearance. Invest Ophthalmol Vis Sci. 2009 Oct;50(10):4917-25

验证数据

暂无数据