

Adora2a-KO

品系全名	C57BL/6Smoc- <i>Adora2a</i> ^{em1Smoc}
目录号	NM-KO-200018
品系状态	活体

基因信息

基因名 Adora2a	基因曾用名	A2aR, A2AAR, AA2AR, ARA2A
	NCBI ID	11540
	MGI ID	99402
	Ensembl ID	ENSMUSG00000020178
	基因标记细胞类型举例	视网膜
	人类同源基因	ADORA2A
	人类同源基因关联疾病	焦虑症

品系描述

敲除Adora2a基因exon 3, 建立Adora2a基因敲除小鼠模型。

应用领域: 治疗性抗体靶点

*使用本品系发表的文献需注明: Adora2a-KO mice (Cat. NO. NM-KO-200018) were purchased from Shanghai Model Organisms Center, Inc..

疾病预测

近视 Myopia	近似模型的表型	MGI:3622794
	参考文献	Zhou X, Huang Q, An J, Lu R, Qin X, Jiang L, Li Y, Wang J, Chen J, Qu J, Genetic deletion of the adenosine A2A receptor confers postnatal development of relative myopia in mice. Invest Ophthalmol Vis Sci. 2010 Sep;51(9):4362-70

原发性肺动脉高压 Primary Pulmonary Hypertension	近似模型的表型	MGI:5473699
	参考文献	Xu MH, Gong YS, Su MS, Dai ZY, Dai SS, Bao SZ, Li N, Zheng RY, He JC, Chen JF, Wang XT, Absence of the adenosine A2A receptor confers pulmonary arterial hypertension and increased pulmonary vascular remodeling in mice. J Vasc Res. 2011;48(2):171-83

验证数据

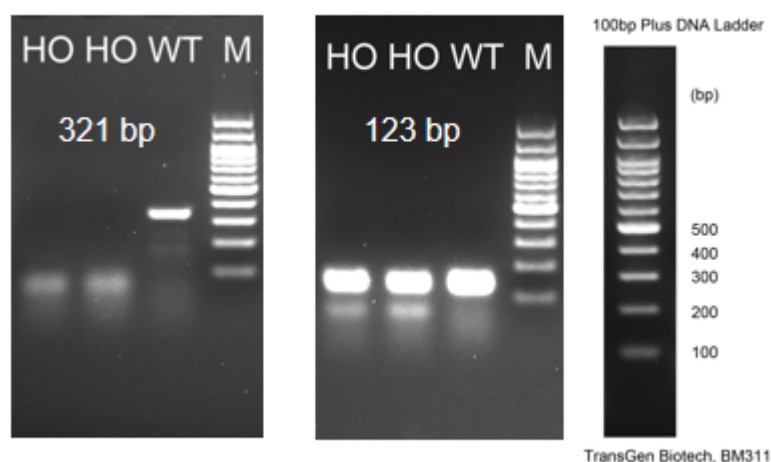


Fig1. Detection of Adora2a-ko expression in thymus and spleen by RT-PCR. Abbr. M, DNA marker; HO, homozygous; HE, heterozygous; WT, wild type.