

Pkd2-Flox

品系全名	C57BL/6Smoc- <i>Pkd2</i> ^{em1(flox)Smoc}
目录号	待定
品系状态	在研

基因信息

基因名 Pkd2	基因曾用名	PC2, TRPP2, C030034P18Rik
	NCBI ID	18764
	MGI ID	1099818
	Ensembl ID	ENSMUSG00000034462
	人类同源基因	PKD2
	人类同源基因关联疾病	多囊肾病

品系描述

在Pkd2基因目的exons两侧分别插入loxP位点。该flox小鼠可与组织特异性Cre工具鼠交配，获得在特定细胞类型或组织中敲除Pkd2基因的小鼠模型。

*使用本品系发表的文献需注明: Pkd2-Flox mice (Cat. NO. 待定) were purchased from Shanghai Model Organisms Center, Inc..

疾病预测

常染色体显性多囊肾病 Autosomal Dominant Polycystic Kidney Disease	近似模型的表型	MGI:6251480 注：该品系与Vil1-cre工具鼠交配才可能获得预期表型
	参考文献	Li A, Fan S, Xu Y, Meng J, Shen X, Mao J, Zhang L, Zhang X, Moeckel G, Wu D, Wu G, Liang C, Rapamycin treatment dose-dependently improves the cystic kidney in a new ADPKD mouse model via the mTORC1 and cell-cycle-associated CDK1/cyclin axis. J Cell Mol Med. 2017 Aug;21(8):1619-1635

多囊肾病2 Polycystic Kidney Disease 2	近似模型的表型 MGI:6317329 注：该品系与Pkhd1-cre工具鼠交配才可能获得预期表型
	参考文献 Hajarnis S, Lakhia R, Yheskel M, Williams D, Sorourian M, Liu X, Aboudehen K, Zhang S, Kersjes K, Galasso R, Li J, Kaimal V, Lockton S, Davis S, Flaten A, Johnson JA, Holland WL, Kusminski CM, Scherer PE, Harris PC, Trudel M, Wallace DP, Igarashi P, Lee EC, Androsavich JR, Patel V, microRNA-17 family promotes polycystic kidney disease progression through modulation of mitochondrial metabolism. Nat Commun. 2017 Feb 16;8:14395

验证数据

暂无数据