

Cav1-KO

品系全名	C57BL/6Smoc- <i>Cav1</i> ^{em1Smoc}
目录号	NM-KO-190930
品系状态	精子冻存

基因信息

基因名 Cav1	基因曾用名	Cav; Cav-1
	NCBI ID	12389
	MGI ID	102709
	Ensembl ID	ENSMUSG000000007655
	人类同源基因	CAV1

品系描述

敲除Cav1基因exon 3, 建立Cav1基因敲除小鼠模型。

应用领域: 肿瘤抑制, 血管系统, 纤维化, Berardinelli-Seip先天性脂肪营养不良

*使用本品系发表的文献需注明: Cav1-KO mice (Cat. NO. NM-KO-190930) were purchased from Shanghai Model Organisms Center, Inc..

疾病预测

阿尔茨海默病 Alzheimer's Disease	近似模型的表型	MGI:5014041
	参考文献	Head BP, Peart JN, Panneerselvam M, Yokoyama T, Pearn ML, Niesman IR, Bonds JA, Schilling JM, Miyanohara A, Headrick J, Ali SS, Roth DM, Patel PM, Patel HH, Loss of caveolin-1 accelerates neurodegeneration and aging. PLoS One. 2010;5(12):e15697

肥厚型心肌病 Hypertrophic Cardiomyopathy	近似模型的表型	MGI:2669401
	参考文献	Park DS, Cohen AW, Frank PG, Razani B, Lee H, Williams TM, Chandra M, Shirani J, De Souza AP, Tang B, Jelicks LA, Factor SM, Weiss LM, Tanowitz HB, Lisanti MP, Caveolin-1 Null (-/-) Mice Show Dramatic Reductions in Life Span. Biochemistry. 2003 Dec 30;42(51):15124-15131
乳腺癌 Breast Cancer	近似模型的表型	MGI:3843497
	参考文献	Mercier I, Casimiro MC, Zhou J, Wang C, Plymire C, Bryant KG, Daumer KM, Sotgia F, Bonuccelli G, Witkiewicz AK, Lin J, Tran TH, Milliman J, Frank PG, Jasmin JF, Rui H, Pestell RG, Lisanti MP, Genetic ablation of caveolin-1 drives estrogen-hypersensitivity and the development of DCIS-like mammary lesions. Am J Pathol. 2009 Apr;174(4):1172-90

验证数据

暂无数据