

Cav1-KO

系統名	C57BL/6Smoc- <i>Cav1</i> ^{em1Smoc}
SMOC番号	NM-KO-190930
維持形態	Sperm cryopreservation

遺伝子の概要

Gene Symbol Cav1	Synonyms	Cav; Cav-1
	NCBI ID	12389
	MGI ID	102709
	Ensembl ID	ENSMUSG00000007655
	Human Ortholog	CAV1

説明

Exon 3 of Cav1 gene was deleted to generate Cav1 knockout mice.

応用分野: Tumor suppression,vascular system,fibrosis,Berardinelli-Seip congenital lipodystrophy

*Literature published using this strain should indicate: Cav1-KO mice (Cat. NO. NM-KO-190930) were purchased from Shanghai Model Organisms Center, Inc..

病気の予測

Alzheimer's Disease	表現型	MGI:5014041
	参考文献	Head BP, Peart JN, Panneerselvam M, Yokoyama T, Pearn ML, Niesman IR, Bonds JA, Schilling JM, Miyanochara 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

Breast Cancer	表現型	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. <i>Am J Pathol.</i> 2009 Apr;174(4):1172-90
Hypertrophic Cardiomyopathy	表現型	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. <i>Biochemistry.</i> 2003 Dec 30;42(51):15124-15131

表現型データ

No data