

Ptch1-Flox

品系全名	C57BL/6Smoc- <i>Ptch1</i> ^{tm(flox)1Smoc}
目录号	NM-CKO-18015
品系状态	精子冻存

基因信息

基因名 Ptch1	基因曾用名	Ptc; mes; wig; Ptc1; Ptch; A230106A15Rik
	NCBI ID	19206
	MGI ID	105373
	Ensembl ID	ENSMUSG00000021466
	人类同源基因	PTCH1

品系描述

flox Ptch1基因exon3。可与组织特异性Cre工具鼠交配，在表达Cre酶的细胞中，条件性敲除 Ptch1基因。该品系带有Neo筛选基因。

*使用本品系发表的文献需注明: Ptch1-Flox mice (Cat. NO. NM-CKO-18015) were purchased from Shanghai Model Organisms Center, Inc..

疾病预测

骨肉瘤 Osteosarcoma	近似模型的表型	MGI:5781001 注：该品系与P53-Flox(2)(NM-CKO-190067)和BGLAP-cre工具鼠交配才可能获得预期表型
	参考文献	Chan LH, Wang W, Yeung W, Deng Y, Yuan P, Mak KK, Hedgehog signaling induces osteosarcoma development through Yap1 and H19 overexpression. <i>Oncogene</i> . 2014 Oct 2;33(40):4857-66

基底细胞癌 Basal Cell Carcinoma	近似模型的表型	MGI:5925369 注：该品系与KRT14-cre工具鼠交配才可能获得预期表型
	参考文献	Villani RM, Waters MJ, Wainwright BJ, Murine basal cell carcinoma leads to tumor-mediated alterations in endocrine Igf1 signaling. Endocr Relat Cancer. 2013 Jun;20(3):273-81
髓母细胞瘤 Medulloblastoma	近似模型的表型	MGI:5286070 注：该品系与Atoh1-cre工具鼠交配才可能获得预期表型
	参考文献	Yang ZJ, Ellis T, Markant SL, Read TA, Kessler JD, Bourbonoulas M, Schuller U, Machold R, Fishell G, Rowitch DH, Wainwright BJ, Wechsler-Reya RJ, Medulloblastoma can be initiated by deletion of Patched in lineage-restricted progenitors or stem cells. Cancer Cell. 2008 Aug 12;14(2):135-45
髓母细胞瘤 Medulloblastoma	近似模型的表型	MGI:5286072 注：该品系与GFAP-cre工具鼠交配才可能获得预期表型
	参考文献	Yang ZJ, Ellis T, Markant SL, Read TA, Kessler JD, Bourbonoulas M, Schuller U, Machold R, Fishell G, Rowitch DH, Wainwright BJ, Wechsler-Reya RJ, Medulloblastoma can be initiated by deletion of Patched in lineage-restricted progenitors or stem cells. Cancer Cell. 2008 Aug 12;14(2):135-45

验证数据

暂无数据