

Itga7-KO

品系全名	C57BL/6Smoc- <i>Itga7</i> ^{em1Smoc}
目录号	NM-KO-200757
品系状态	胚胎冻存

基因信息

基因名 Itga7	基因曾用名	[a]7, alpha7
	NCBI ID	16404
	MGI ID	102700
	Ensembl ID	ENSMUSG00000025348
	基因标记细胞类型举例	肺周细胞

品系描述

敲除Itga7基因exon 2-3, 建立Itga7基因敲除小鼠模型。

*使用本品系发表的文献需注明: Itga7-KO mice (Cat. NO. NM-KO-200757) were purchased from Shanghai Model Organisms Center, Inc..

疾病预测

杜氏肌营养不良症 Duchenne Muscular Dystrophy	近似模型的表型	MGI:5440955 注: 该品系需与Sspn-KO(NM-KO-201922)交配才可能获得预期表型
	参考文献	Marshall JL, Chou E, Oh J, Kwok A, Burkin DJ, Crosbie-Watson RH, Dystrophin and utrophin expression require sarcospan: loss of alpha7 integrin exacerbates a newly discovered muscle phenotype in sarcospan-null mice. Hum Mol Genet. 2012 Oct 15;21(20):4378-93

整合素 alpha-7 缺乏导致的先天性肌营养不良症 Congenital Muscular Dystrophy Due To Integrin Alpha-7 Deficiency	<table> <tr> <td data-bbox="523 141 794 215"> 近似模型的表型 </td><td data-bbox="794 141 1471 215"> MGI:3583813 </td></tr> <tr> <td data-bbox="523 215 794 452"> 参考文献 </td><td data-bbox="794 215 1471 452"> Nawrotzki R, Willem M, Miosge N, Brinkmeier H, Mayer U, Defective integrin switch and matrix composition at alpha 7-deficient myotendinous junctions precede the onset of muscular dystrophy in mice. Hum Mol Genet. 2003 Mar 1;12(5):483-95 </td></tr> </table>	近似模型的表型	MGI:3583813	参考文献	Nawrotzki R, Willem M, Miosge N, Brinkmeier H, Mayer U, Defective integrin switch and matrix composition at alpha 7-deficient myotendinous junctions precede the onset of muscular dystrophy in mice. Hum Mol Genet. 2003 Mar 1;12(5):483-95
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验证数据

暂无数据