

Erb2-Flox

系統名	C57BL/6Smoc- <i>Erb2</i> ^{em(flox)/Smoc}
SMOC番号	NM-CKO-220557
維持形態	Sperm cryopreservation

遺伝子の概要

Gene Symbol Erb2	Synonyms	Neu; HER2; HER-2; c-neu; Erb2; c-erbB2; l11Jus8; mKIAA3023
	NCBI ID	13866
	MGI ID	95410
	Ensembl ID	ENSMUSG00000062312
	Human Ortholog	ERBB2

説明

These mice carry loxP sites flanking exon 2 of *Erb2*. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of *Erb2* gene.

*Literature published using this strain should indicate: *Erb2*-Flox mice (Cat. NO. NM-CKO-220557) were purchased from Shanghai Model Organisms Center, Inc..

病気の予測

Breast Cancer	表現型	MGI:4839510 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with <i>Pten</i> -Flox(NM-CKO-18004) and MMTV-cre mice.
	参考文献	Dourdin N, Schade B, Lesurf R, Hallett M, Munn RJ, Cardiff RD, Muller WJ, Phosphatase and tensin homologue deleted on chromosome 10 deficiency accelerates tumor induction in a mouse model of ErbB-2 mammary tumorigenesis. <i>Cancer Res.</i> 2008 Apr 1;68(7):2122-31

Hirschsprung's Disease	表現型	MGI:2654632 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Nes-cre mice.
	参考文献	Crone SA, Negro A, Trumpp A, Giovannini M, Lee KF, Colonic Epithelial Expression of ErbB2 Is Required for Postnatal Maintenance of the Enteric Nervous System. <i>Neuron</i> . 2003 Jan 9;37(1):29-40
Dilated Cardiomyopathy	表現型	MGI:3621567 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Myl2-Cre mice.
	参考文献	Ozcelik C, Erdmann B, Pilz B, Wettschureck N, Britsch S, Hubner N, Chien KR, Birchmeier C, Garratt AN, Conditional mutation of the ErbB2 (HER2) receptor in cardiomyocytes leads to dilated cardiomyopathy. <i>Proc Natl Acad Sci U S A</i> . 2002 Jun 25;99(13):8880-5
Breast Cancer	表現型	MGI:3714371 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with MMTV-cre mice.
	参考文献	Deblois G, Chahrour G, Perry MC, Sylvain-Drolet G, Muller WJ, Giguere V, Transcriptional control of the ERBB2 amplicon by ERRalpha and PGC-1beta promotes mammary gland tumorigenesis. <i>Cancer Res</i> . 2010 Dec 15;70(24):10277-87

表現型データ

No data