

Arntl-Flox

系統名	C57BL/6Smoc- <i>Arntl</i> ^{Em1(flox)Smoc}
SMOC番号	NM-CKO-200063
維持形態	Sperm cryopreservation

遺伝子の概要

Gene Symbol Arntl	Synonyms	MOP3; Arnt3; Bmal1; BMAL1b; bHLHe5; bmal1b'
	NCBI ID	11865
	MGI ID	1096381
	Ensembl ID	ENSMUSG00000055116
	Human Ortholog	ARNTL

説明

These mice carry loxP sites flanking exon 8 of *Arntl* gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of *Arntl* gene.

応用分野: Studies on the regulation of lipid metabolism by peroxisome proliferator-activated receptor alpha (PPARalpha) and circadian rhythm-related genes

*Literature published using this strain should indicate: *Arntl*-Flox mice (Cat. NO. NM-CKO-200063) were purchased from Shanghai Model Organisms Center, Inc..

病気の予測

Diabetes Mellitus	表現型	MGI:5576883 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Pdx1-cre mice.
	参考文献	Marcheva B, Ramsey KM, Buhr ED, Kobayashi Y, Su H, Ko CH, Ivanova G, Omura C, Mo S, Vitaterna MH, Lopez JP, Philipson LH, Bradfield CA, Crosby SD, JeBailey L, Wang X, Takahashi JS, Bass J, Disruption of the clock components CLOCK and BMAL1 leads to hypoinsulinaemia and diabetes. Nature. 2010 Jul 29;466(7306):627-31

表現型データ

No data