

Ar-Flox

系統名	B6;129S-Ar ^{tm1(flox)Smoc}
SMOC番号	NM-CKO-00110
維持形態	Embryo cryopreservation

遺伝子の概要

Gene Symbol Ar	Synonyms	Tfm; AW320017
	NCBI ID	11835
	MGI ID	88064
	Ensembl ID	ENSMUSG00000046532
	Human Ortholog	AR

説明

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

*Literature published using this strain should indicate: Ar-Flox mice (Cat. NO. NM-CKO-00110) were purchased from Shanghai Model Organisms Center, Inc..

病気の予測

Prostate Cancer	表現型	MGI:5009703 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Pten-Flox(NM-CKO-18004) and Pbsn-cre mice.
	参考文献	Mulholland DJ, Tran LM, Li Y, Cai H, Morim A, Wang S, Plaisier S, Garraway IP, Huang J, Graeber TG, Wu H, Cell Autonomous Role of PTEN in Regulating Castration-Resistant Prostate Cancer Growth. Cancer Cell. 2011 Jun 14;19(6):792-804

Type 2 Diabetes Mellitus	表現型	MGI:5502687 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Fabp4-cre mice.
	参考文献	McInnes KJ, Smith LB, Hunger NI, Saunders PT, Andrew R, Walker BR, Deletion of the androgen receptor in adipose tissue in male mice elevates retinol binding protein 4 and reveals independent effects on visceral fat mass and on glucose homeostasis. Diabetes. 2012 May;61(5):1072-81
Obesity	表現型	MGI:2681522 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with CMV-cre mice.
	参考文献	Matsumoto T, Takeyama K, Sato T, Kato S, Androgen receptor functions from reverse genetic models. J Steroid Biochem Mol Biol. 2003 Jun;85(2-5):95-9

表現型データ

No data

出版物

[Reproductive Deficits Induced by Prenatal Antimüllerian Hormone Exposure Require Androgen Receptor in Kisspeptin Cells](#)

References:

[Androgens drive sexual dimorphism in liver metastasis by promoting hepatic accumulation of neutrophils](#)

References: Cell Reports