

Ar-Flox

品系全名	B6;129S-Ar ^{tm1(flox)Smoc}
目录号	NM-CKO-00110
品系状态	活体

基因信息

基因名 Ar	基因曾用名	Tfm; AW320017
	NCBI ID	11835
	MGI ID	88064
	Ensembl ID	ENSMUSG000000046532
	人类同源基因	AR

品系描述

loxP位点位于Ar基因2号外显子区域两侧。若与Cre品系小鼠交配的后代可在Cre酶表达的组织中条件性敲除该基因。对于研究雄激素不敏感综合征、肥胖、糖尿病、前列腺癌等具有重要意义。

应用领域：雄激素不敏感综合征、肥胖、糖尿病、前列腺癌等

*使用本品系发表的文献需注明: Ar-Flox mice (Cat. NO. NM-CKO-00110) were purchased from Shanghai Model Organisms Center, Inc..

疾病预测

2型糖尿病 Type 2 Diabetes Mellitus	近似模型的表型	MGI:5502687 注：该品系与Fabp4-cre工具鼠交配才可能获得预期表型
	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

肥胖 Obesity	近似模型的表型	MGI:2681522 注：该品系与CMV-cre工具鼠交配才可能获得预期表型
	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
前列腺癌 Prostate Cancer	近似模型的表型	MGI:5009703 注：该品系与Pten-Flox(NM-CKO-18004)和Pbsn-cre工具鼠交配才可能获得预期表型
	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

验证数据

暂无数据

发表文献

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

来源杂志：ENDOCRINOLOGY

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

来源杂志：Cell Reports