

Sftpc-IRES-CreERT2

品系全名	C57BL/6Smoc- <i>Sftpc</i> ^{em(IRES-CreERT2)Smoc}
目录号	NM-KI-18020
品系状态	活体

基因信息

基因名 Sftpc	基因曾用名	SP5; SPC; SP-C; Sftp2; Bricd6; Sftp-2; pro-SpC
	NCBI ID	20389
	MGI ID	109517
	Ensembl ID	ENSMUSG00000022097
	人类同源基因	SFTPC

品系描述

利用CRISPR基因编辑技术，将IRES-CreERT2敲入到小鼠Sftpc基因3'UTR中，他莫昔芬诱导型Cre重组酶CreERT2受内源Sftpc基因启动子驱动。诱导后，在II型肺泡细胞中表达Cre活性。*该品系CreERT2有泄露情况（详见验证数据），请根据研究目的进行选择。

应用领域： II型肺泡细胞Cre工具鼠

*使用本品系发表的文献需注明: Sftpc-IRES-CreERT2 mice (Cat. NO. NM-KI-18020) were purchased from Shanghai Model Organisms Center, Inc..

验证数据

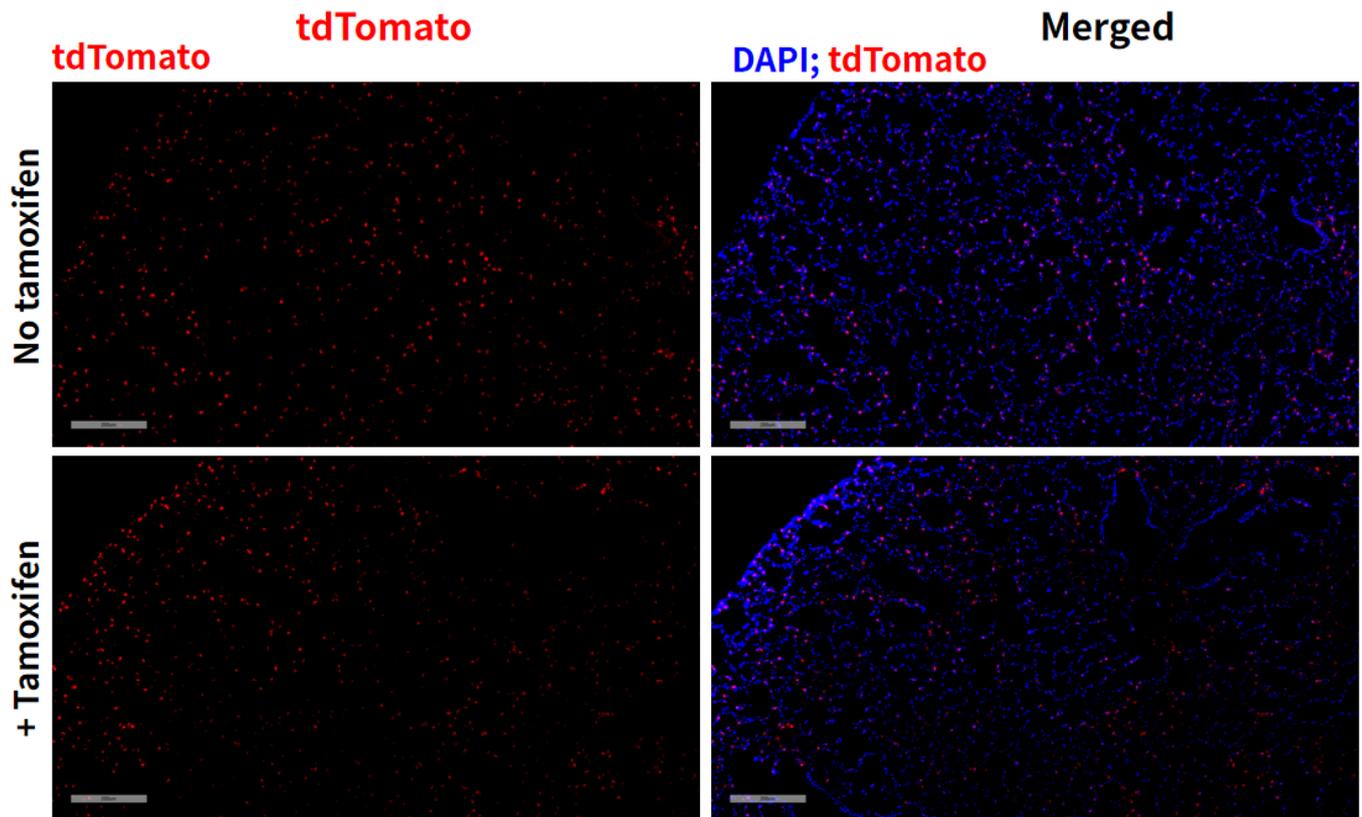


Fig1. Cre mediated recombination in lung of $Sftpc^{CreERT2/+};Rosa26^{tdTomato/+}$ mouse.

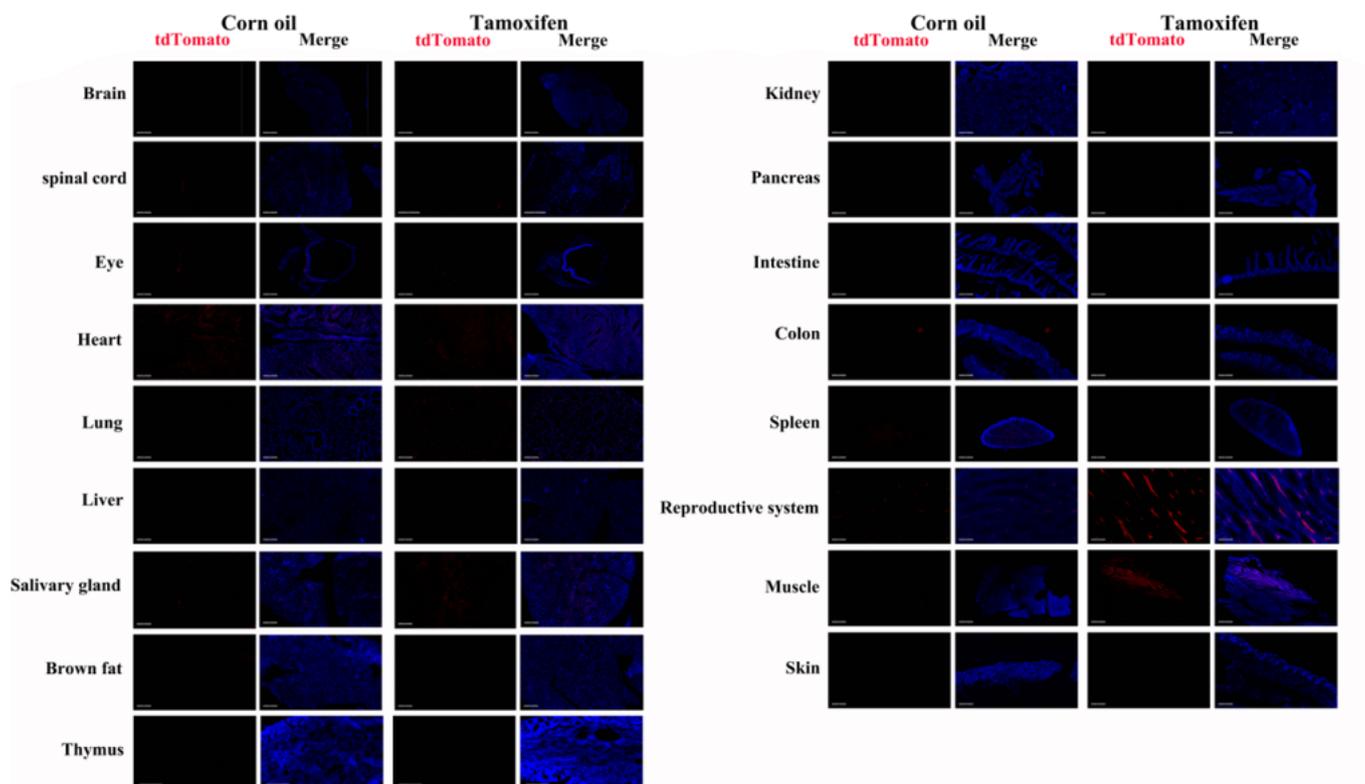


Fig2. Detection of tdTomato(red) in various tissues of $Sftpc^{CreERT2/+};Rosa26^{tdTomato/+}$ mouse.

Expression tissues include: lung epithelial cells, testis interstitial cells, salivary glands, muscles.
Tissues that unexpressed include brain, spinal cord, retina, heart, liver, brown fat, thymus,

kidney, pancreas, large and small intestine, spleen, and skin.(2-months old, male) (For more detailed information please contact our technical advisor.)
