

Prox1-IRES-CreERT2

品系全名	C57BL/6Smoc- <i>Prox1</i> ^{em1(IRES-CreERT2-pA)Smoc}
目录号	NM-KI-200119
品系状态	活体

基因信息

基因名 Prox1	基因曾用名	PROX-1, A230003G05Rik
	NCBI ID	19130
	MGI ID	97772
	Ensembl ID	ENSMUSG00000010175
	基因标记细胞类型举例	淋巴管内皮细胞
	人类同源基因	PROX1

品系描述

将IRES-CreERT2-pA插入到小鼠Prox1基因终止密码子处。Prox1编码一个转录因子（prospero 相关同源框1），这是淋巴管形成和维持所必需的。Prox1-CreERT2小鼠与含有loxP侧翼序列的小鼠交配时，诱导后，Cre介导的重组将导致后代表达Cre的细胞中floxed序列的缺失。

应用领域：Cre工具鼠，淋巴管内皮细胞等区域

*使用本品系发表的文献需注明: Prox1-IRES-CreERT2 mice (Cat. NO. NM-KI-200119) were purchased from Shanghai Model Organisms Center, Inc..

验证数据

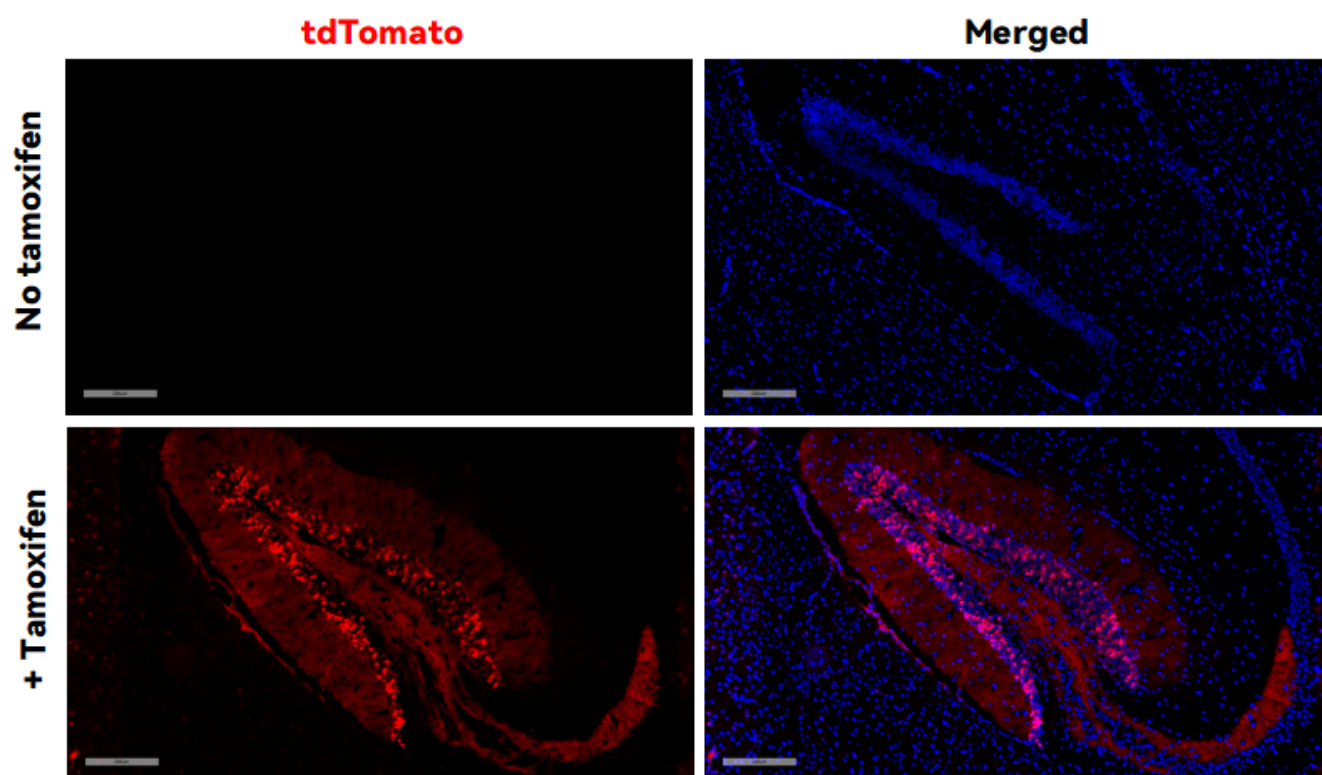


Fig1. CreERT2-mediated recombination in Dentate Gyrus of Prox1CreERT2/+;Rosa26tdTomato/+ mouse.

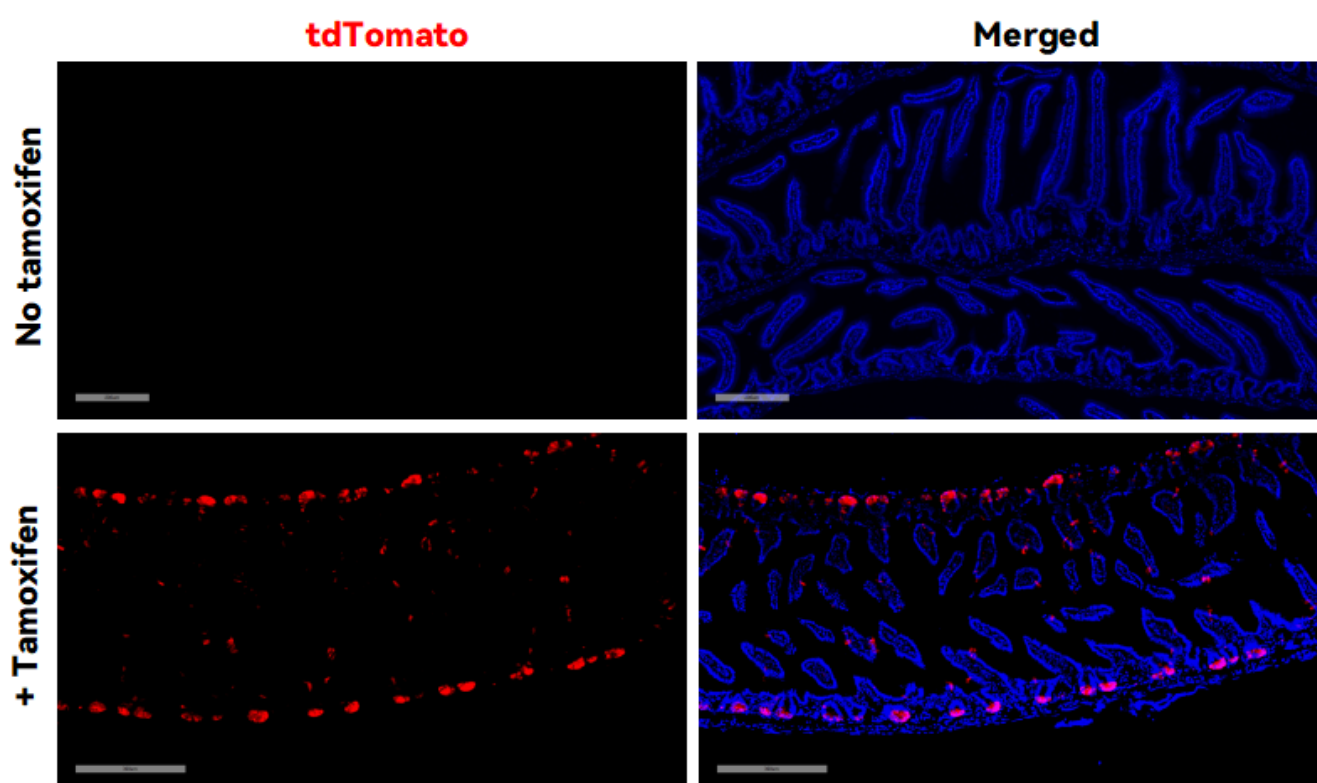


Fig2. CreERT2-mediated recombination in Small intestine of Prox1CreERT2/+;Rosa26tdTomato/+ mouse.

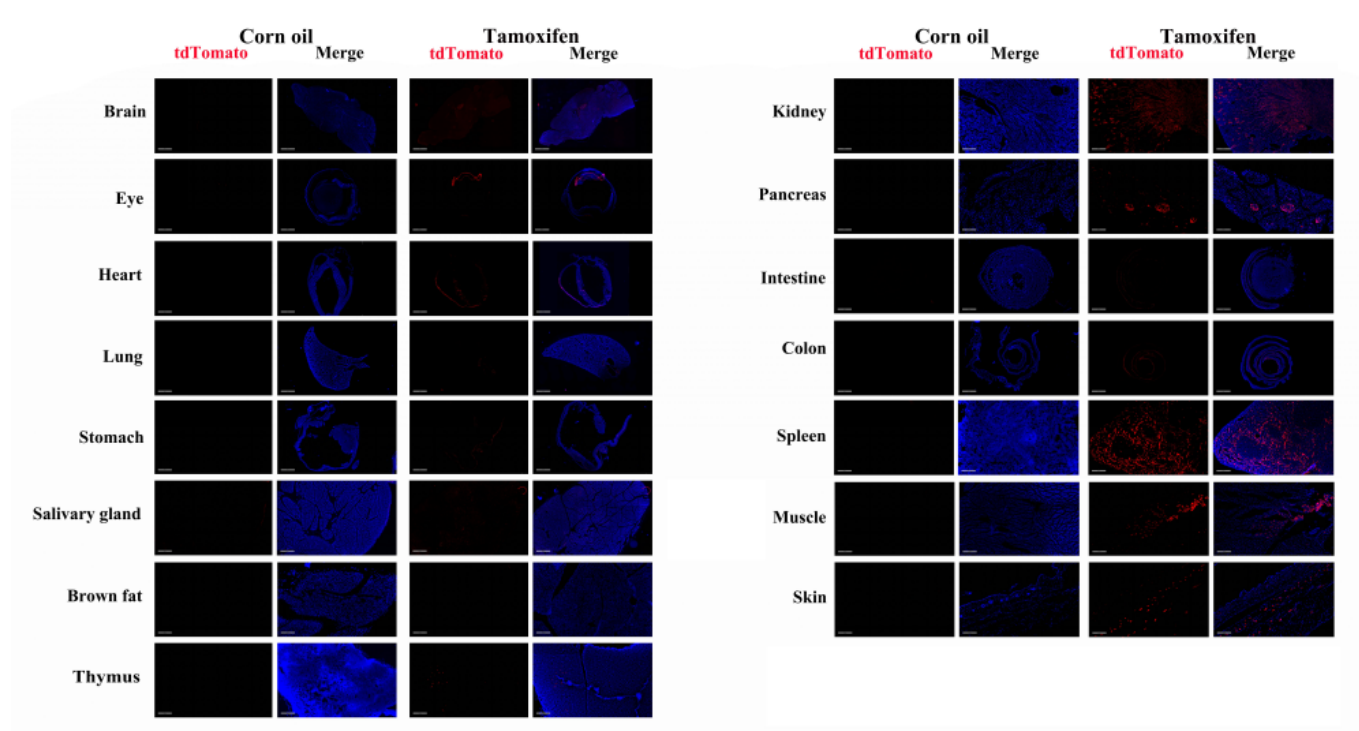


Fig3. Detection of tdTomato(red) in various tissues of Prox1CreERT2/+;Rosa26tdTomato/+ mice. Labeling was also observed in pituitary gland, retina, heart, thymus, stomach, lung, submandibular gland, muscle, ovary, spleen, pancreas and kidney. (For more information please contact: 400-728-0660.)