

Wap-IRES-Cre

Nomenclature	C57BL/6Smoc- <i>Wap</i> ^{em1(IRES-Cre-WPRE-polyA)Smoc}
Cat. NO.	NM-KI-200064
Strain State	Repository Live

Gene Summary

Gene Symbol Wap	Synonyms	-
	NCBI ID	22373
	MGI ID	98943
	Ensembl ID	ENSMUSG00000000381
	Human Ortholog	WAP

Model Description

A IRES-Cre-WPRE-polyA expression cassette was knocked into the Wap gene stop codon site.

Research Application: These mice express cre recombinase from the Wap locus. By mating the reporter mice with Cre-expressing mice, reporter gene expression can be detected in the mammary gland epithelial cells of the lactating mouse. This strain may be useful for in the research of breast carcinoma.

*Literature published using this strain should indicate: Wap-IRES-Cre mice (Cat. NO. NM-KI-200064) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

tdTomato

Merge

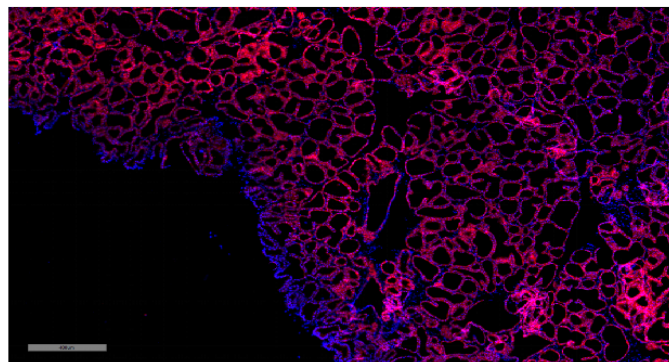
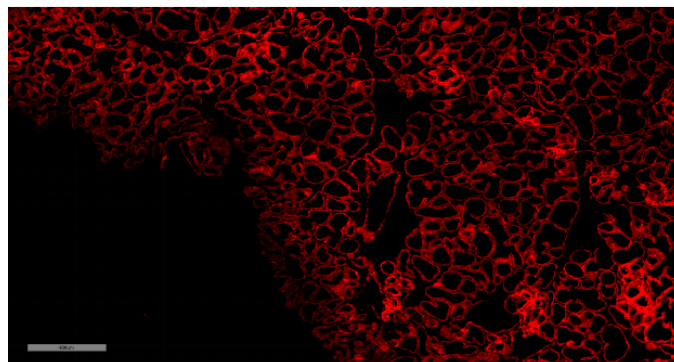


Fig.1 Cre-mediated recombination in the mammary gland of female $Wap^{Cre/+}; Rosa26^{tdTomato/+}$ mouse. TdTomato(red) expression can be detected in the mammary gland epithelial cells of the lactating $Wap^{Cre/+}; Rosa26^{tdTomato/+}$ mouse.

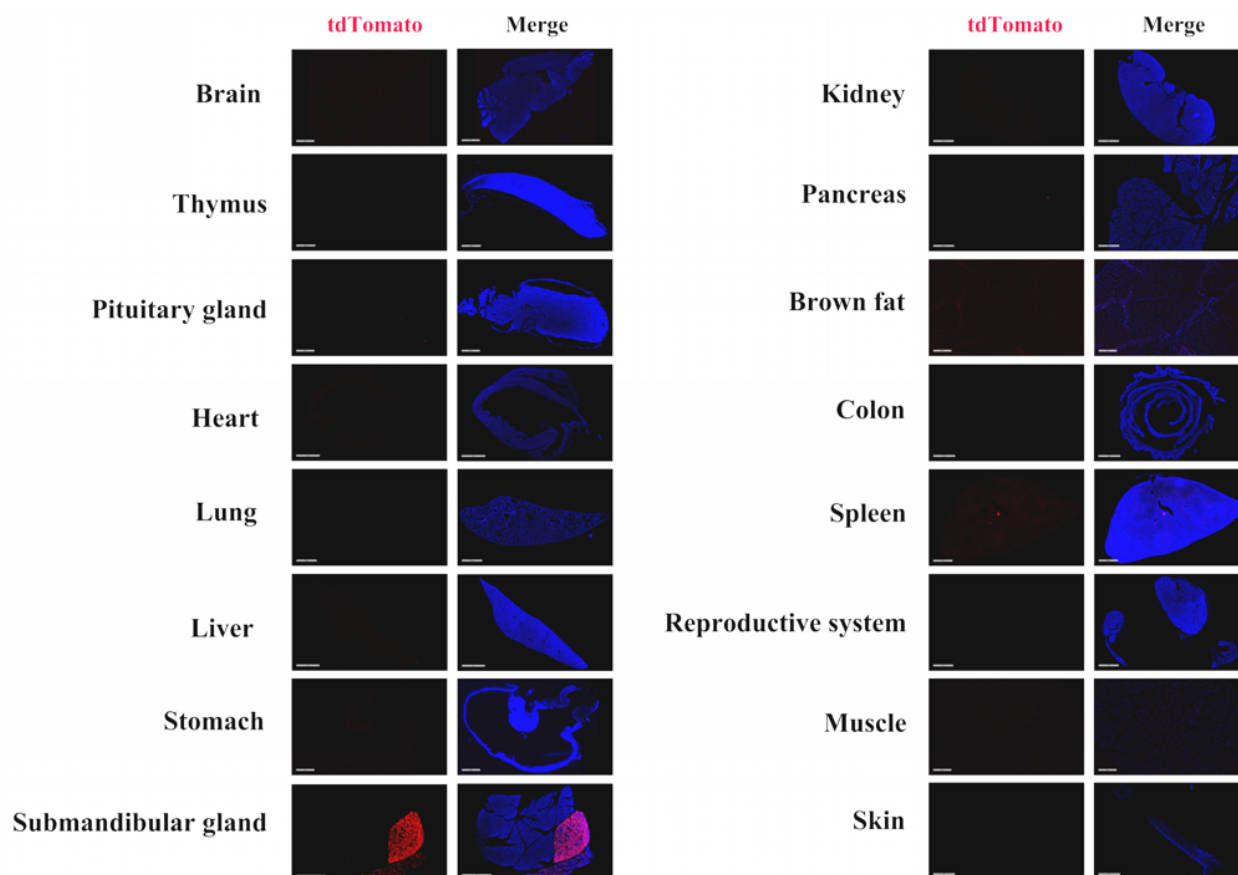


Fig.2 Detection of tdTomato(red) in various tissues of $Wap^{Cre/+}; Rosa26^{tdTomato/+}$ mice. Cre mediated recombination can be detected in the some cells of salivary glands and mammary glands of the lactating mouse. Tdtomato can not be detected in the brain, thymus, pituitary gland, heart, lung, liver, stomach, kidney, brown fats, colon, pancreas, muscle, testis and epididymis. (For more detailed information please contact our technical advisor.)