

# Wap-IRES-Cre

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

## Gene Summary

<b>Gene Symbol</b> <b>Wap</b>	<b>Synonyms</b>	-
	<b>NCBI ID</b>	<a href="#">22373</a>
	<b>MGI ID</b>	<a href="#">98943</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000000381</a>
	<b>Human Ortholog</b>	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**

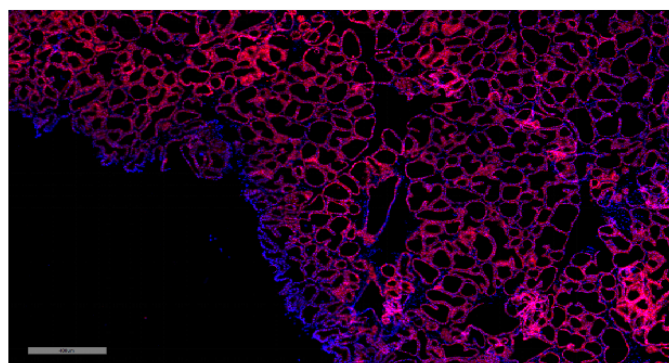
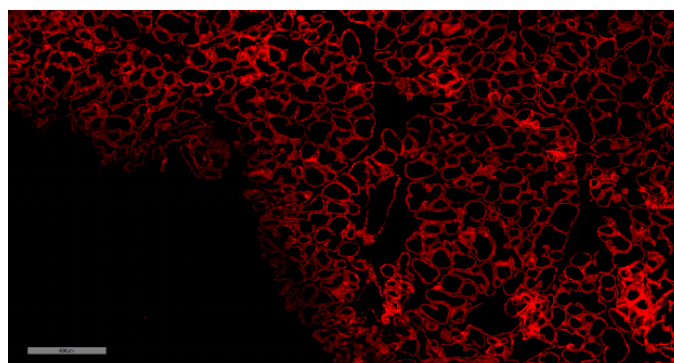


Fig.1 Cre-mediated recombination in the mammary gland of female  $Wap^{Cre/+}; Rosa26^{tdTomato/+}$  mouse. TdTomato(red) expression can be detected in the mammary gland epithelial cells of the lactating  $Wap^{Cre/+}; Rosa26^{tdTomato/+}$  mouse.

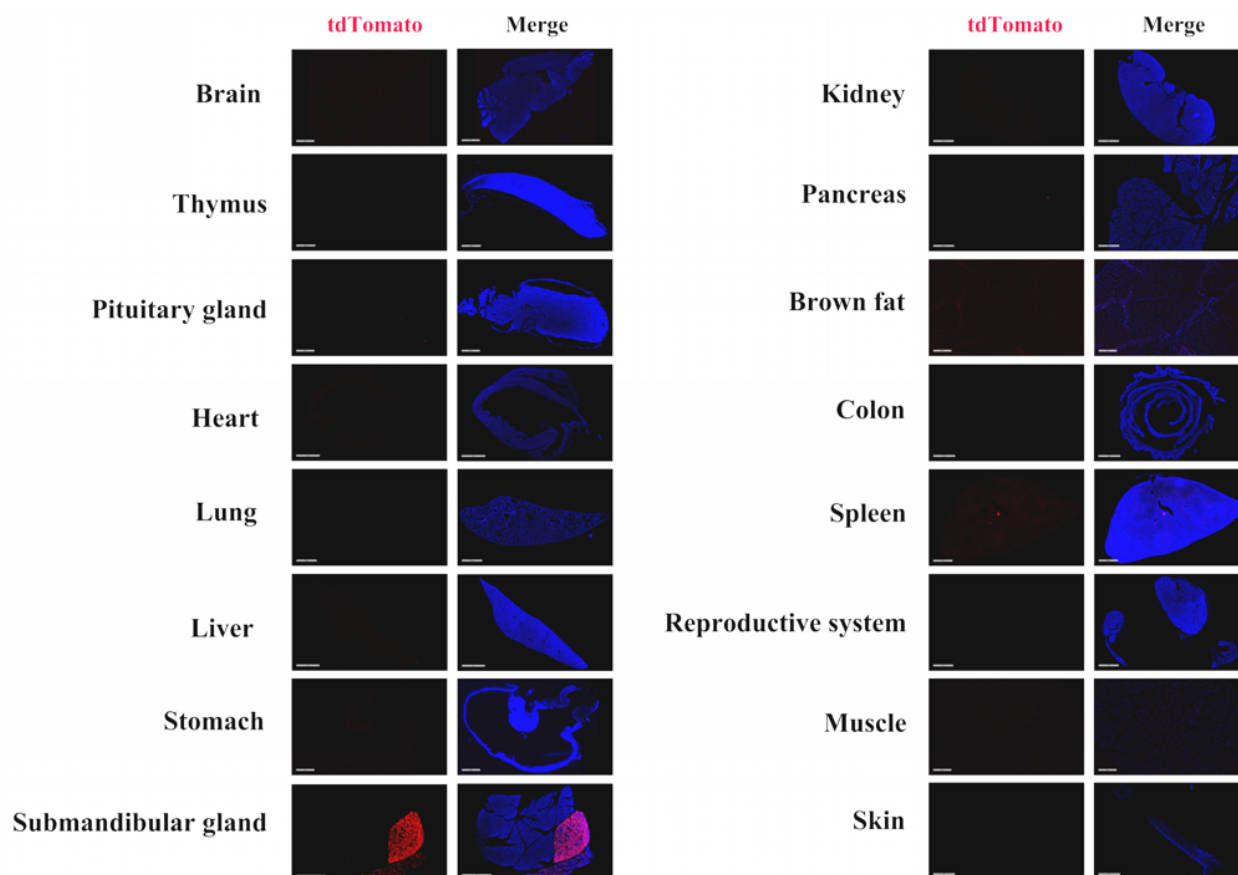


Fig.2 Detection of tdTomato(red) in various tissues of  $Wap^{Cre/+}; Rosa26^{tdTomato/+}$  mice. Cre mediated recombination can be detected in the some cells of salivary glands and mammary glands of the lactating mouse. Tdtomato can not be detected in the brain, thymus, pituitary gland, heart, lung,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