

# Pax7-2A-DreERT2

<b>Nomenclature</b>	C57BL/6Smoc- <i>Pax7</i> <sup>em1(2A-DreERT2)Smoc</sup>
<b>Cat. NO.</b>	NM-KI-190124
<b>Strain State</b>	Embryo cryopreservation

## Gene Summary

<b>Gene Symbol</b> <b>Pax7</b>	<b>Synonyms</b>	Pax-7
	<b>NCBI ID</b>	<a href="#">18509</a>
	<b>MGI ID</b>	<a href="#">97491</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000028736</a>
	<b>Human Ortholog</b>	PAX7

## Model Description

A 2A-DreERT2 expression cassette was knocked into the Pax7 gene stop codon site.

**Research Application:** Dre tool mouse

\*Literature published using this strain should indicate: Pax7-2A-DreERT2 mice (Cat. NO. NM-KI-190124) were purchased from Shanghai Model Organisms Center, Inc..

## Validation Data

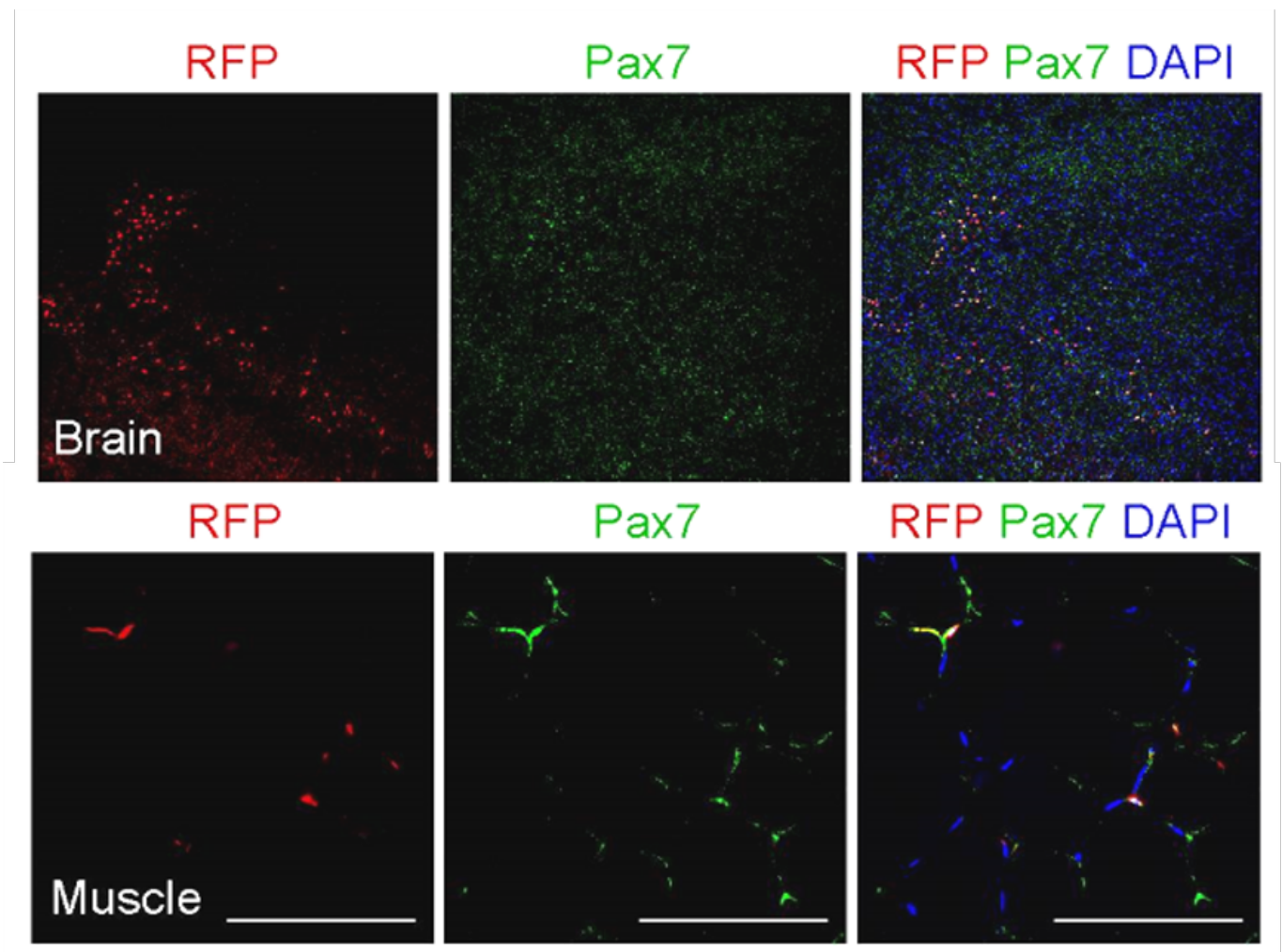


Fig. 1 DreERT2-mediated recombination in the brain and muscle of Pax7<sup>DreERT2/+</sup>; Rosa26<sup>RFP/+</sup> mouse.

RFP+ cells (red) were colocalized with GFP+ cells (green) in the brain and muscle of Pax7<sup>DreERT2/+</sup>; Rosa26<sup>RFP/+</sup> mouse after tamoxifen treatment. However, the expression of RFP by induced dre with Pax7<sup>DreERT2/+</sup> was less effective in the muscle. (Collaborated with Prof. Zhou bin's group from Center for Excellence in Molecular Cell Science, CAS)

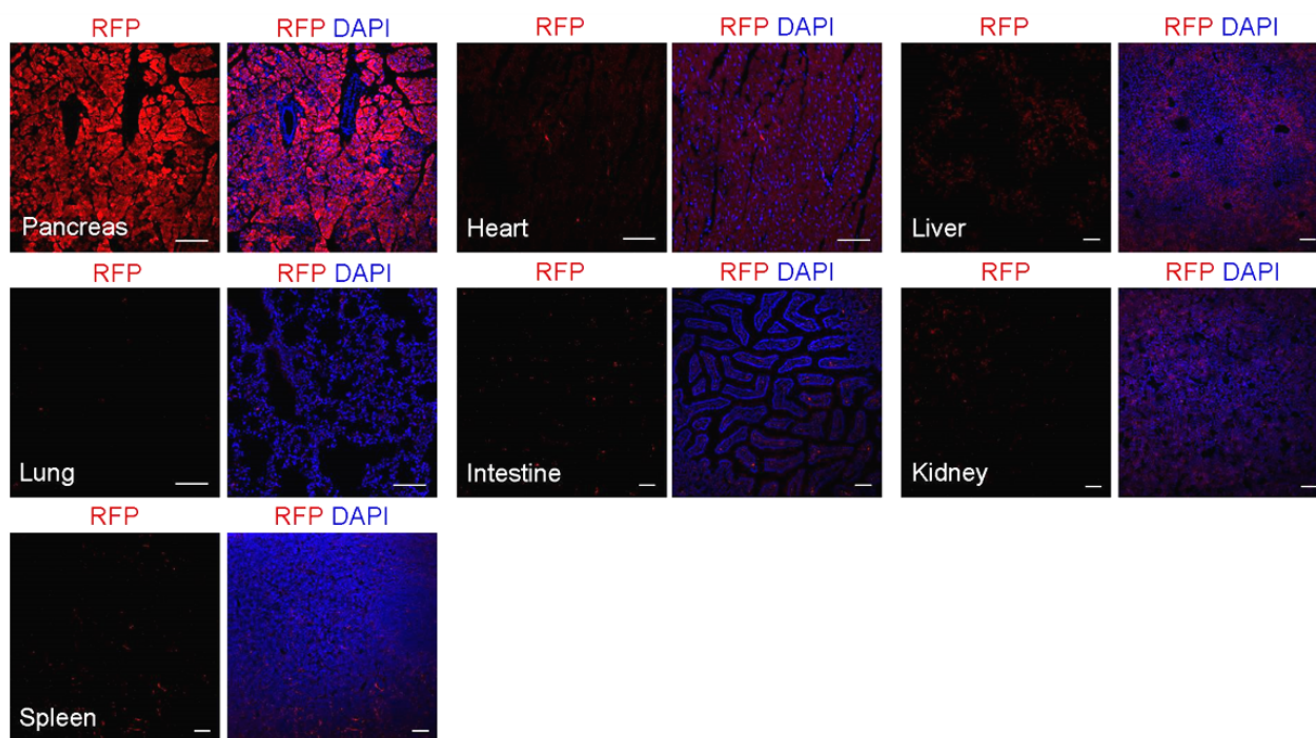


Fig. 2: Detection of RFP in various tissues of Pax7<sup>DreERT2/+</sup>; Rosa26<sup>RFP/+</sup> mice. (For more detailed information please contact our technical advisor.) (Collaborated with Prof. Zhou bin's group from Center for Excellence in Molecular Cell Science, CAS)

## Publications

[A Suite of New Dre-recombinase Drivers Markedly Expands the Ability to Perform Intersectional Genetic Targeting](#)

References: CELL STEM CELL