

Pax7-2A-DreERT2

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

Gene Summary

Gene Symbol Pax7	Synonyms	Pax-7
	NCBI ID	18509
	MGI ID	97491
	Ensembl ID	ENSMUSG00000028736
	Human Ortholog	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

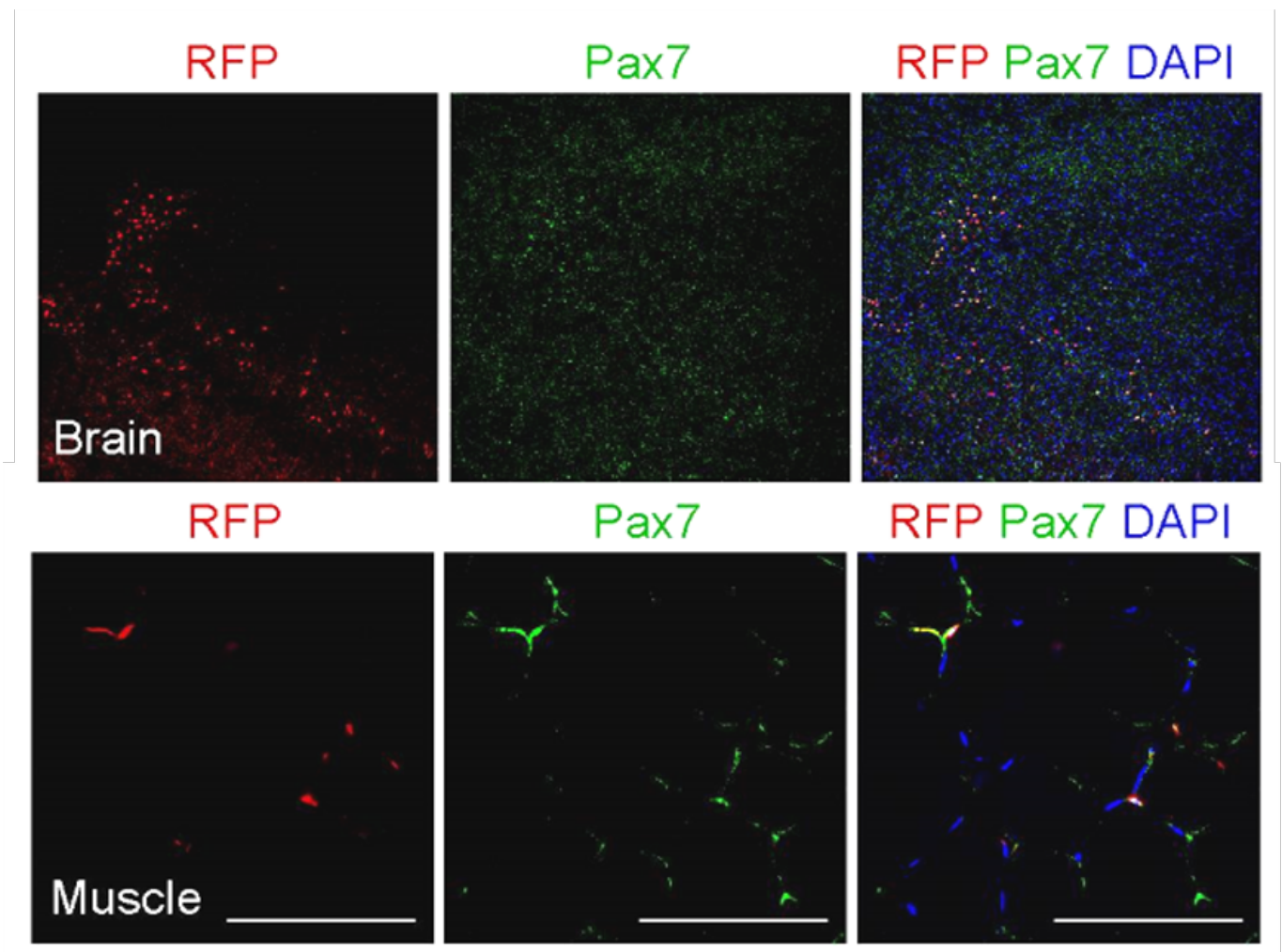


Fig. 1 DreERT2-mediated recombination in the brain and muscle of Pax7^{DreERT2/+}; Rosa26^{RFP/+} mouse.

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

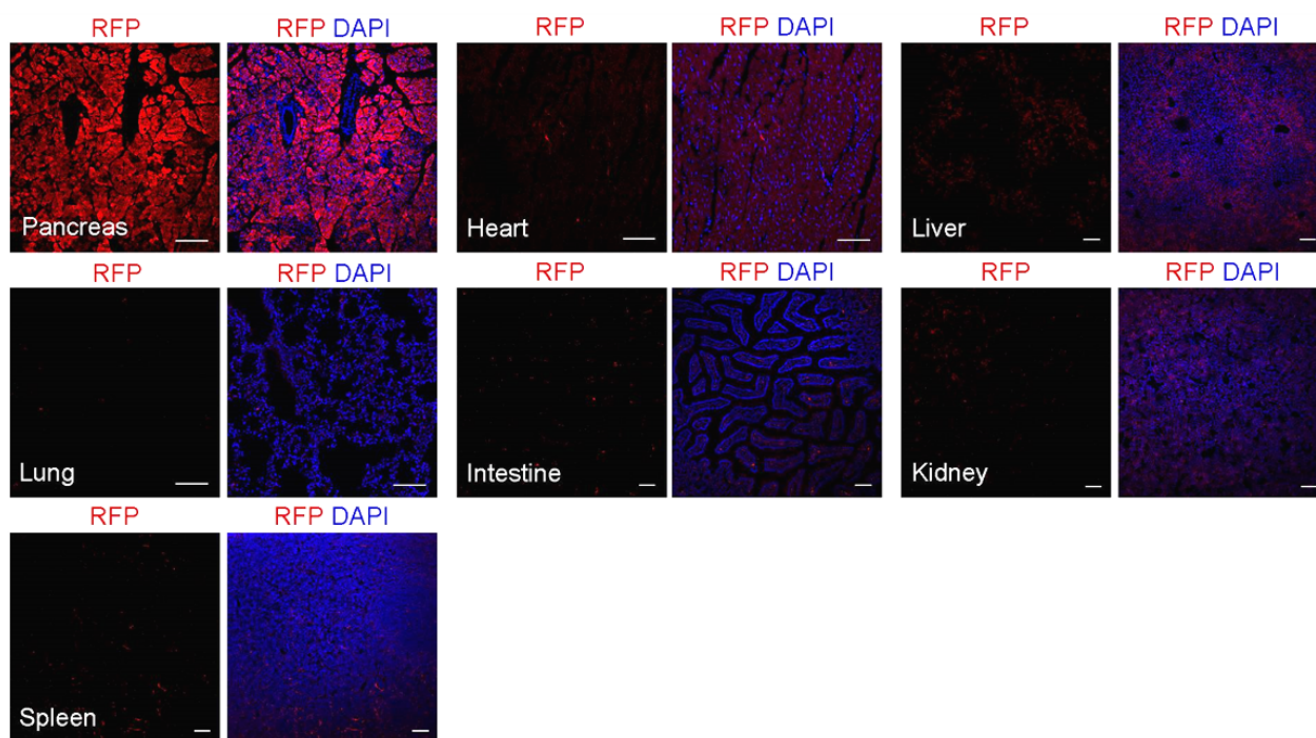


Fig. 2: Detection of RFP in various tissues of Pax7^{DreERT2/+}; Rosa26^{RFP/+} mice. (For more detailed information please contact our technical advisor.) (Collaborated with Prof. Zhou bin's group from Center for Excellence in Molecular Cell Science, CAS)

Publications

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

References: CELL STEM CELL