Pax7-2A-DreERT2

Nomenclature	C57BL/6Smoc-*Pax7*$^{em1(2A\text{-}DreERT2)Smoc}$
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

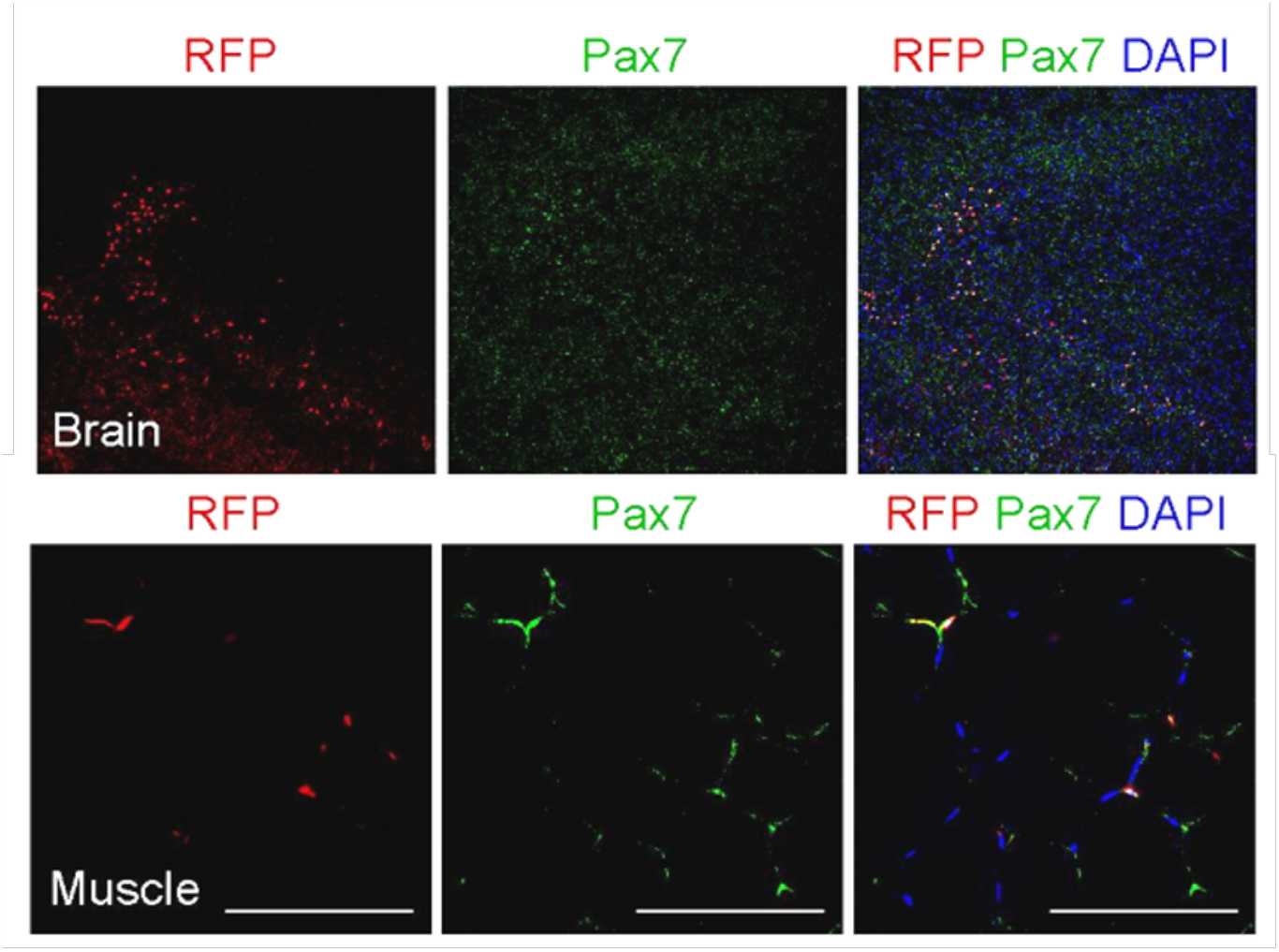

Fig. 1 DreERT2-mediated recombination in the brain and muscle of Pax7$^{DreERT2/+}$; Rosa26$^{RFP/+}$ mouse.

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)

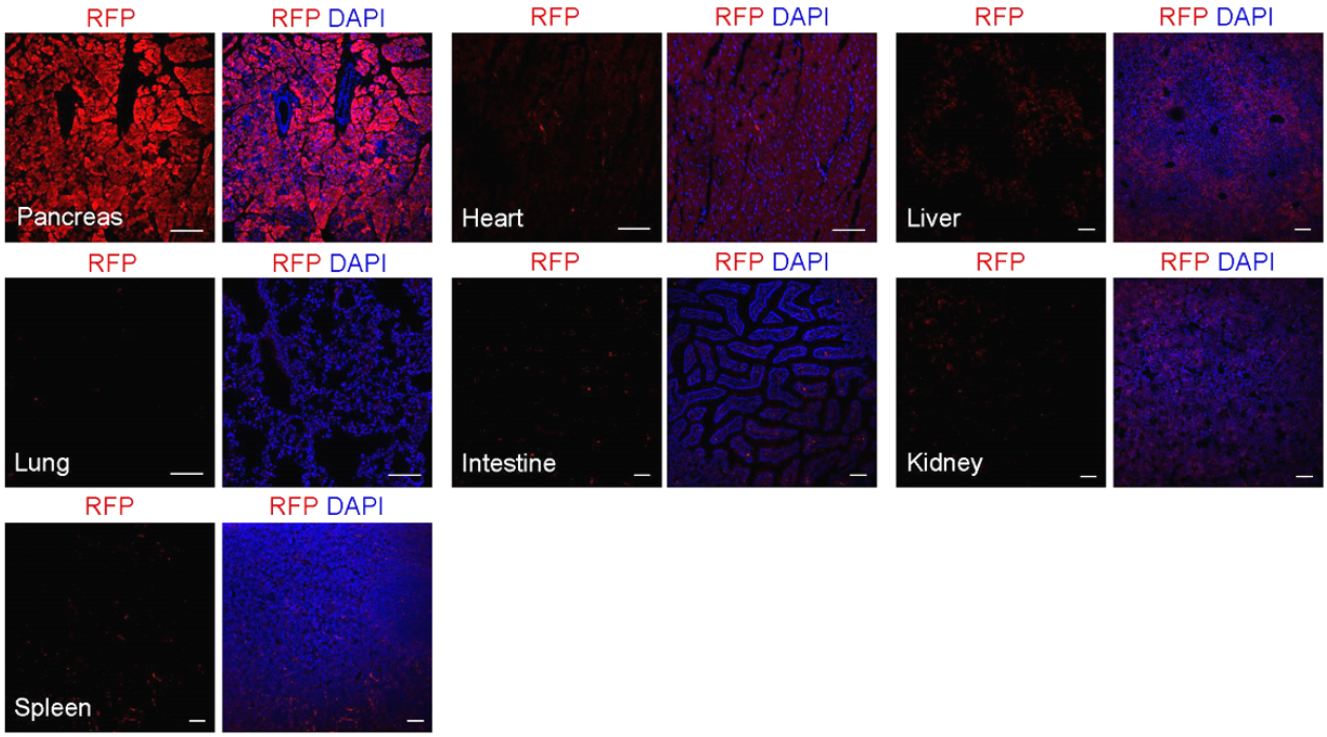

Fig. 2: Detection of RFP in various tissues of Pax7$^{DreERT2/+}$; Rosa26$^{RFP/+}$ mice. (For more detailed information please contact our technical advisor.) (Collaborated with Prof. Zhou bin's group from Center for Excellence in Molecular Cell Science, CAS)

Publications

A Suite of New Dre-recombinase Drivers Markedly Expands the Ability to Perform Intersectional Genetic Targeting

References: CELL STEM CELL