

Npr3-2A-DreERT2

Nomenclature	C57BL/6Smoc- <i>Npr3</i> ^{em1(2A-DreERT2)Smoc}
Cat. NO.	NM-KI-190015
Strain State	Repository Live

Gene Summary

Gene Symbol Npr3	Synonyms	lgj; EF-2; stri; ANP-C; NPR-C; ANPR-C
	NCBI ID	18162
	MGI ID	97373
	Ensembl ID	ENSMUSG00000022206
	Human Ortholog	NPR3

Model Description

The 2A-DreERT2 cassette is inserted before 3'UTR region of Npr3 gene.

Research Application: Dre recombinase tool

*Literature published using this strain should indicate: Npr3-2A-DreERT2 mice (Cat. NO. NM-KI-190015) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

Npr3-2A-DreER;ZsGreen

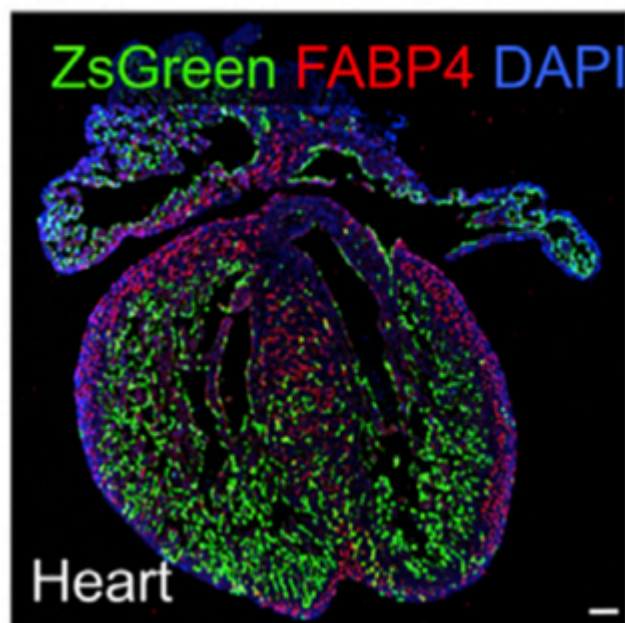


Fig.1 DreERT2-mediated recombination in the heart of $Npr3^{DreERT2/+}$; $R26^{ZsGreen/+}$ mouse. ZsGreen (green) expression can be detected in the heart after tamoxifen treatment. Fabp4 (tdTomato) is the marker gene known to be expressed in the coronary vessel endothelial cells. (Documented in the following reference.)

Publications

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

References: CELL STEM CELL