

Dppa3-IRES-Cre

Nomenclature	C57BL/6Smoc- <i>Dppa3</i> ^{em1(IRES-Cre)Smoc}
Cat. NO.	NM-KI-00040
Strain State	Repository Live

Gene Summary

Gene Symbol Dppa3	Synonyms	PCG7; PGC7; Stella; 2410075G02Rik
	NCBI ID	73708
	MGI ID	1920958
	Ensembl ID	ENSMUSG00000046323
	Human Ortholog	DPPA3

Model Description

The IRES-Cre cassette was inserted into 3'UTR of Dppa(Stella) gene which express during embryonic development.

Research Application: Dppa3 (also known as Pgc7 or Stella) plays an important role in early embryonic development during the cleavage stage as a maternal effect gene.

*Literature published using this strain should indicate: Dppa3-IRES-Cre mice (Cat. NO. NM-KI-00040) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

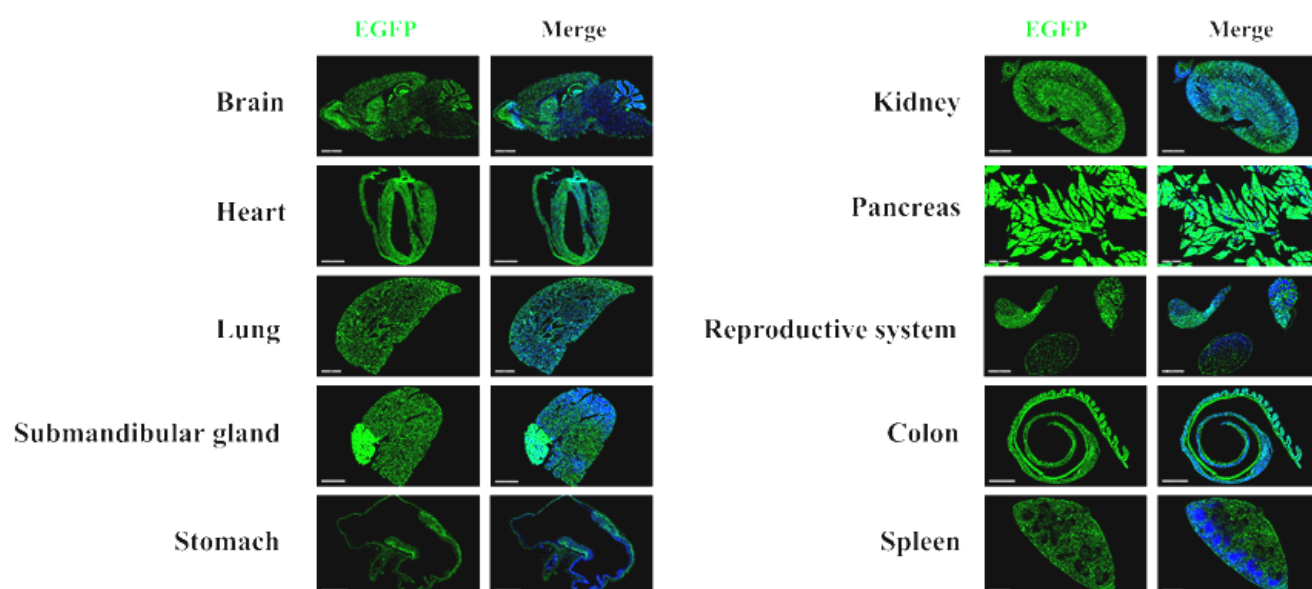


Fig. 1 Detection of ZsGreen(green) in various tissues of $Dppa3^{Cre/+}; Rosa26^{ZsGreen/+}$ mice. ZsGreen expression can be detected in the brain, heart, lung, submandibular gland, salivary gland, stomach, kidney, pancreas, testis, epididymis, colon and spleen of $Dppa3^{Cre/+}; Rosa26^{ZsGreen/+}$ mouse. (For more detailed information please contact our technical advisor.)

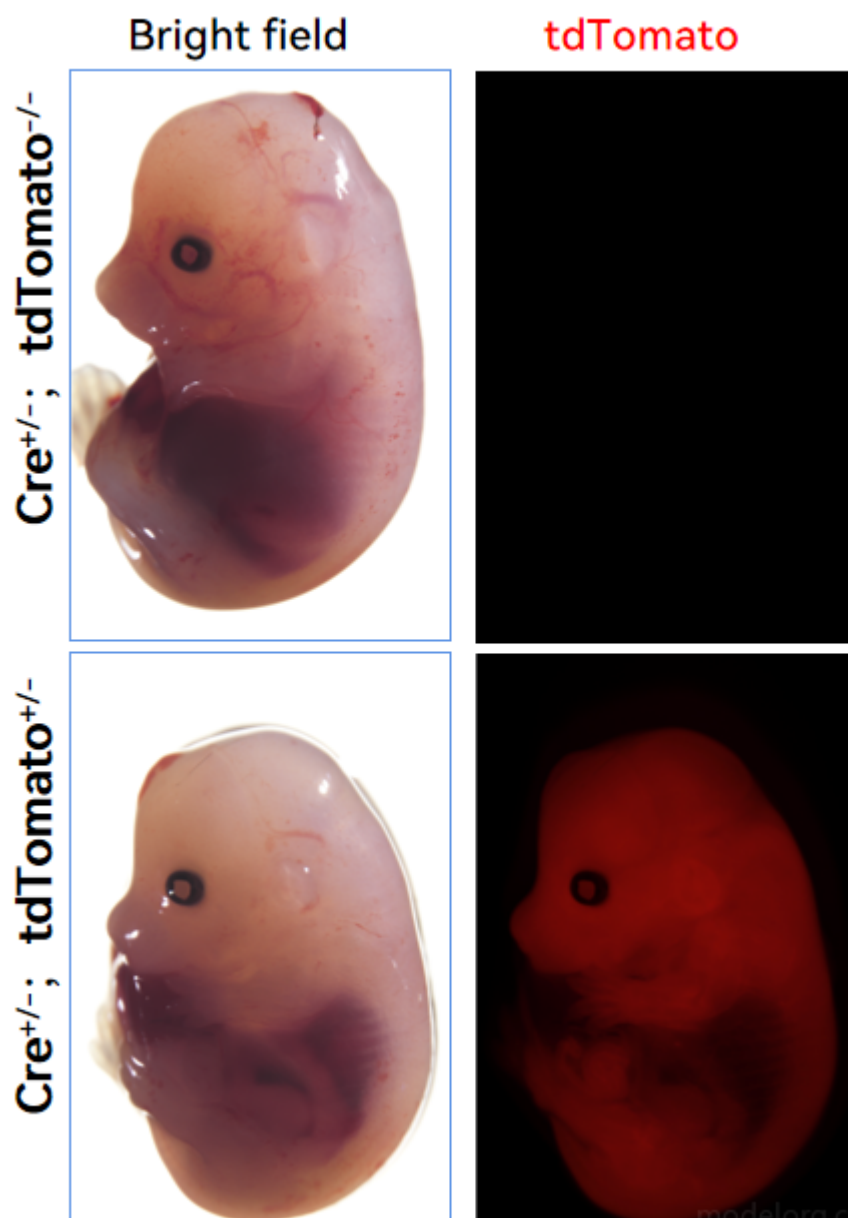


Fig. 2 Cre-mediated recombination in the E14.5 $Dppa3^{Cre/+}$; $Rosa26^{tdTomato/+}$ mouse embryos.

Publications

[Single-cell transcriptomics identifies potential cells of origin of MYC rhabdoid tumors](#)

References: Nature Communications