

Lgr5-2A-DreERT2

Nomenclature	C57BL/6Smoc- <i>Lgr5</i> ^{em1(2A-DreERT2)Smoc}
Cat. NO.	NM-KI-200178
Strain State	Sperm cryopreservation

Gene Summary

Gene Symbol Lgr5	Synonyms	FEX; Gpr49
	NCBI ID	14160
	MGI ID	1341817
	Ensembl ID	ENSMUSG00000020140
	Human Ortholog	LGR5

Model Description

A 2A-DreERT2 expression cassette was knocked into the Lgr5 gene stop codon site.

Research Application: Dre recombinase tool

*Literature published using this strain should indicate: Lgr5-2A-DreERT2 mice (Cat. NO. NM-KI-200178) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

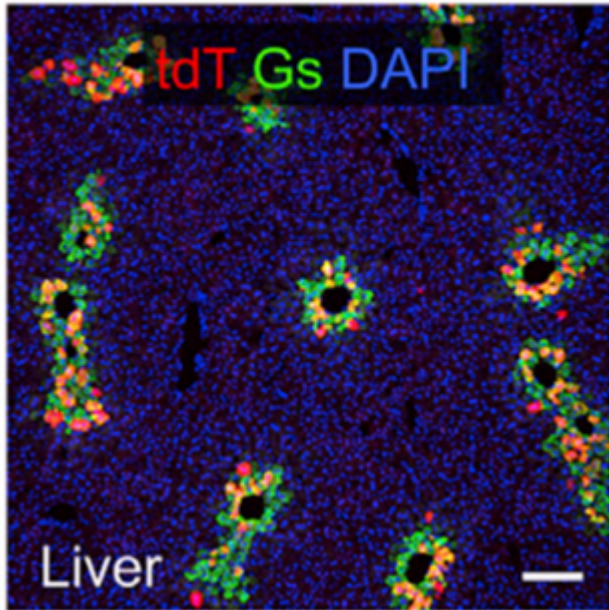
Lgr5 2A-DreER;tdT

Fig. 1 DreERT2-mediated recombination in the liver of $Cdh1^{DreERT2/+}$; $R26^{tdtomato/+}$ mouse. Tdtomato (red) expression can be detected in the liver after tamoxifen treatment. Glutamine synthetase (GS, green) is expressed in a rim of hepatocytes surrounding hepatic veins. (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