

Lgr5-2A-DreERT2

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| 系統名 | C57BL/6Smoc- <i>Lgr5</i> ^{em1(2A-DreERT2)Smoc} |
| SMOC番号 | NM-KI-200178 |
| 維持形態 | Sperm cryopreservation |

遺伝子の概要

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

説明

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

応用分野: 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..

表現型データ

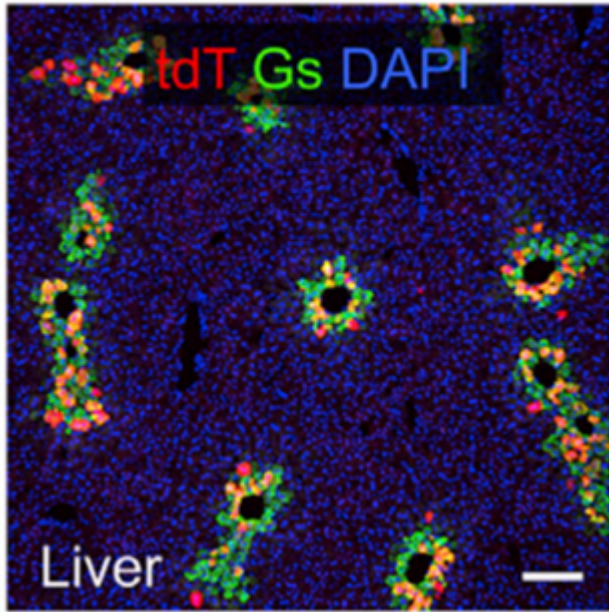
Lgr5 2A-DreER;tdT

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.)

出版物

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

References: CELL STEM CELL