

# Plin1-2A-DreERT2

系統名	C57BL/6Smoc- <i>Plin1</i> <sup>em1(2A-DreERT2)Smoc</sup>
SMOC番号	NM-KI-190034
維持形態	Sperm cryopreservation

## 遺伝子の概要

Gene Symbol Plin1	<b>Synonyms</b>	Peri; Plin; 6030432J05Rik
	<b>NCBI ID</b>	<a href="#">103968</a>
	<b>MGI ID</b>	<a href="#">1890505</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000030546</a>
	<b>Human Ortholog</b>	PLIN1

## 説明

A 2A-DreERT2 expression cassette was knocked into the Plin1 gene stop codon site.

**応用分野:** Dre recombinase tool

\*Literature published using this strain should indicate: Plin1-2A-DreERT2 mice (Cat. NO. NM-KI-190034) were purchased from Shanghai Model Organisms Center, Inc..

## 表現型データ

*Plin1-2A-DreER;tdT*

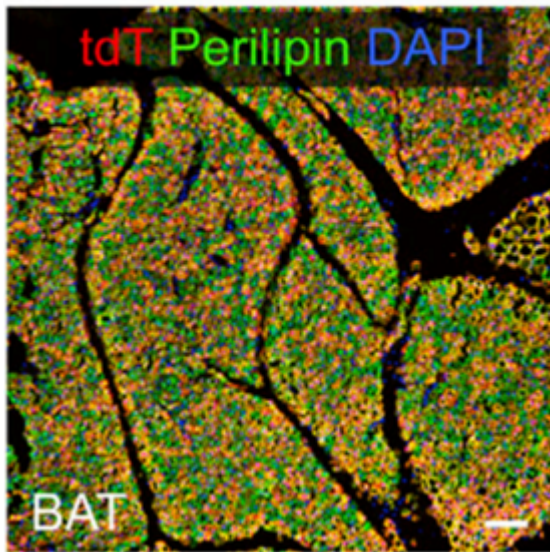


Fig.1 DreERT2-mediated recombination in the brown adipose tissue of  $Plin1^{DreERT2/+}$ ;  $R26^{tdTomato/+}$  mouse. TdTomato (red) expression can be detected in the brown adipose tissue after tamoxifen treatment. Perilipin (green) are phosphoproteins that are localized to the surface of triacylglycerol droplets within adipocytes. (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