

# Pparg-Flox

|      |                                                    |
|------|----------------------------------------------------|
| 品系全名 | C57BL/6Smoc- <i>Pparg</i> <sup>tm1(flox)Smoc</sup> |
| 目录号  | NM-CKO-190071                                      |
| 品系状态 | 活体                                                 |

## 基因信息

|              |            |                                                       |
|--------------|------------|-------------------------------------------------------|
| 基因名<br>Pparg | 基因曾用名      | Nr1c3, PPARgamma, PPAR-gamma, PPARgamma2, PPAR-gamma2 |
|              | NCBI ID    | <a href="#">19016</a>                                 |
|              | MGI ID     | <a href="#">97747</a>                                 |
|              | Ensembl ID | <a href="#">ENSMUSG00000000440</a>                    |
|              | 基因标记细胞类型举例 | 肺Lipo成纤维细胞、气管离子细胞、脂肪组织脂肪细胞、脂肪组织                       |
|              | 人类同源基因     | PPARG                                                 |

## 品系描述

在Pparg基因exon 2-3两侧分别插入loxP位点。该flox小鼠可与组织特异性Cre工具鼠交配，获得在特定细胞类型或组织中敲除Pparg基因的小鼠模型。

**应用领域：**用于胰岛素抵抗、瘢痕脱发、肺动脉高压、破骨细胞生成以及内皮细胞功能障碍等研究

\*使用本品系发表的文献需注明: Pparg-Flox mice (Cat. NO. NM-CKO-190071) were purchased from Shanghai Model Organisms Center, Inc..

## 疾病预测

|                                                          |                |                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>系统性红斑狼疮</b><br><b>Systemic Lupus Erythematosus</b>    | <b>近似模型的表型</b> | <a href="#">MGI:4939883</a><br>注：该品系与Lyz2-Cre工具鼠交配才可能获得预期表型                                                                                                                                                                                                                                                                  |
|                                                          | <b>参考文献</b>    | Roszer T, Menendez-Gutierrez MP, Lefterova MI, Alameda D, Nunez V, Lazar MA, Fischer T, Ricote M, Autoimmune kidney disease and impaired engulfment of apoptotic cells in mice with macrophage peroxisome proliferator-activated receptor gamma or retinoid X receptor alpha deficiency. J Immunol. 2011 Jan 1;186(1):621-31 |
| <b>原发性肺动脉高压</b><br><b>Primary Pulmonary Hypertension</b> | <b>近似模型的表型</b> | <a href="#">MGI:5444198</a><br>注：该品系与Tagln-cre工具鼠交配才可能获得预期表型                                                                                                                                                                                                                                                                 |
|                                                          | <b>参考文献</b>    | Hansmann G, de Jesus Perez VA, Alastalo TP, Alvira CM, Guignabert C, Bekker JM, Schellong S, Urashima T, Wang L, Morrell NW, Rabinovitch M, An antiproliferative BMP-2/PPARgamma/apoE axis in human and murine SMCs and its role in pulmonary hypertension. J Clin Invest. 2008 May;118(5):1846-57                           |

## 验证数据

暂无数据