

Lep-KO

品系全名	B6;129S- <i>Lep</i> ^{tm1Smoc}
目录号	NM-KO-00034
品系状态	活体

基因信息

基因名 Lep	基因曾用名	ob; obese
	NCBI ID	16846
	MGI ID	104663
	Ensembl ID	ENSMUSG00000059201
	人类同源基因	LEP

品系描述

Exon 2 was replaced by Neo cassette.

应用领域: Insulin resistance, obesity, and type 2 diabetes etc.

*使用本品系发表的文献需注明: Lep-KO mice (Cat. NO. NM-KO-00034) were purchased from Shanghai Model Organisms Center, Inc..

验证数据

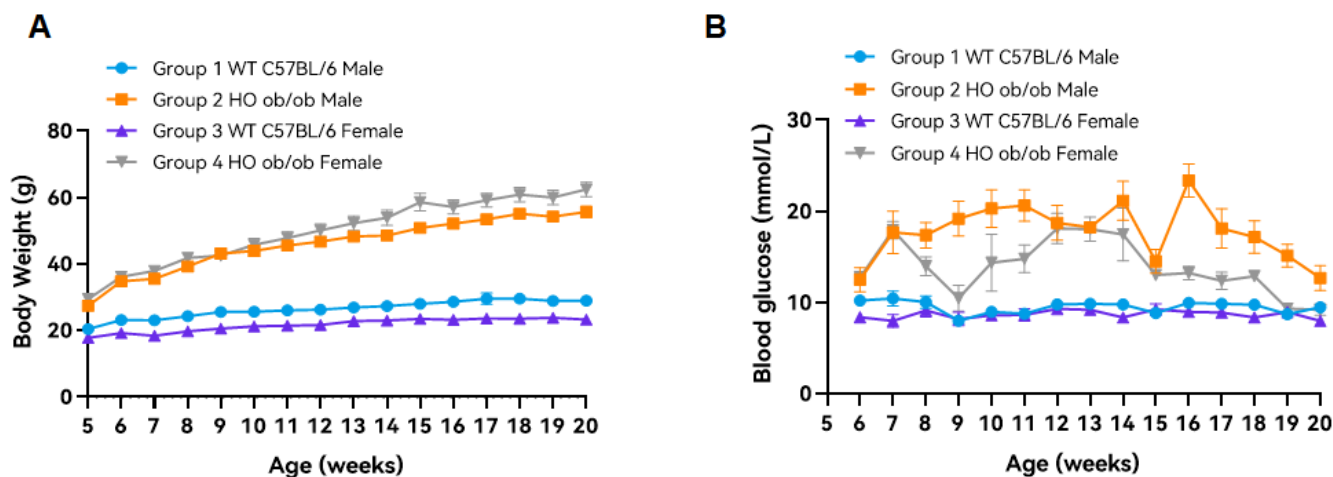


Fig1. Body weight and Blood glucose monitoring of ob/ob mice.

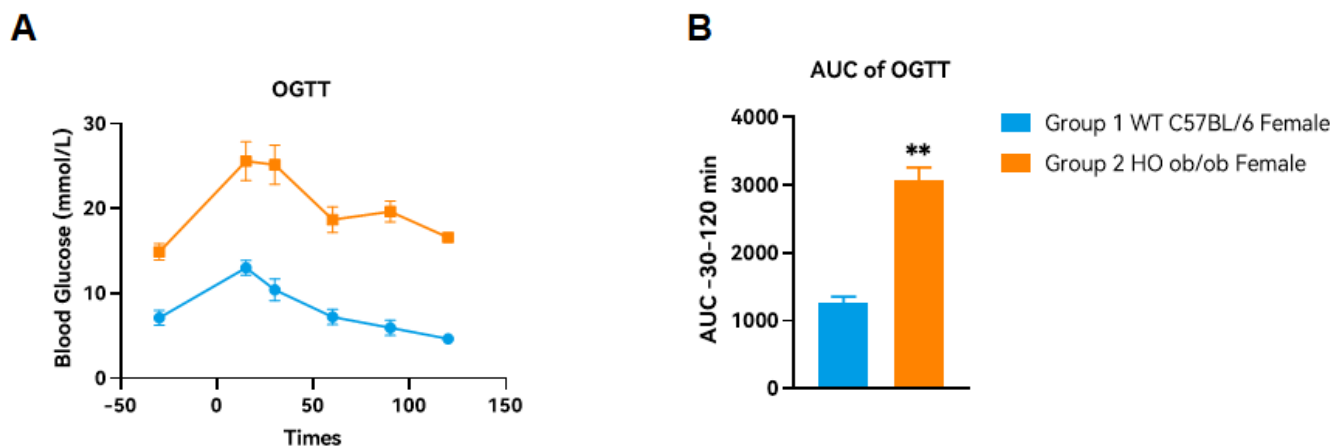


Fig2. Evaluation of Oral glucose tolerance test (OGTT) of female ob/ob mice.

Abbr. HO, homozygous; WT, wild type. **, $P \leq 0.01$.

Note. The tested ob/ob and C57BL/6 mice were 6 weeks old.

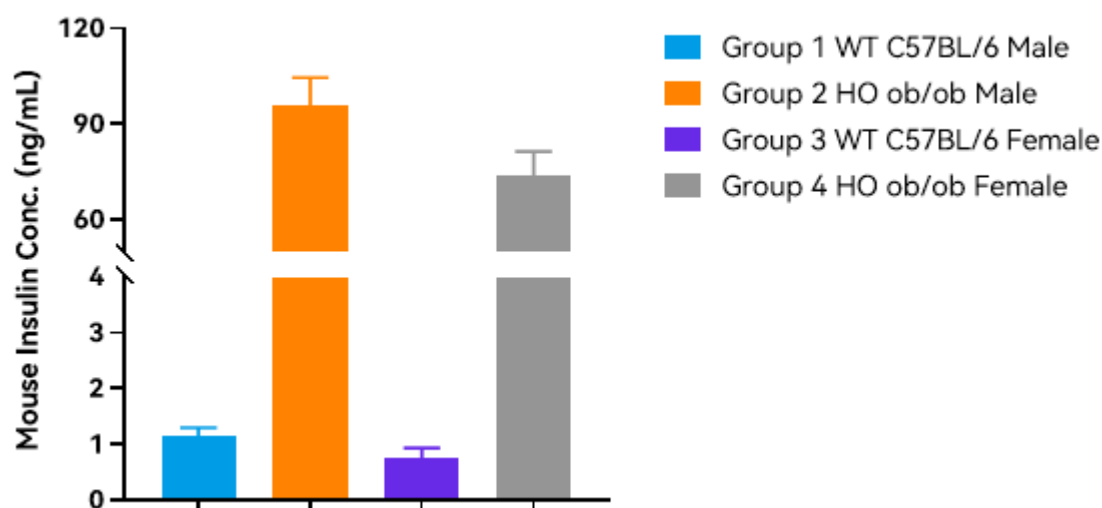


Fig3. Detection of insulin levels in serum by ELISA.

Abbr. Hom, homozygous; HE, heterozygous; WT, wild type.

Note. The tested ob/ob and C57BL/6 mice were 20 weeks old.

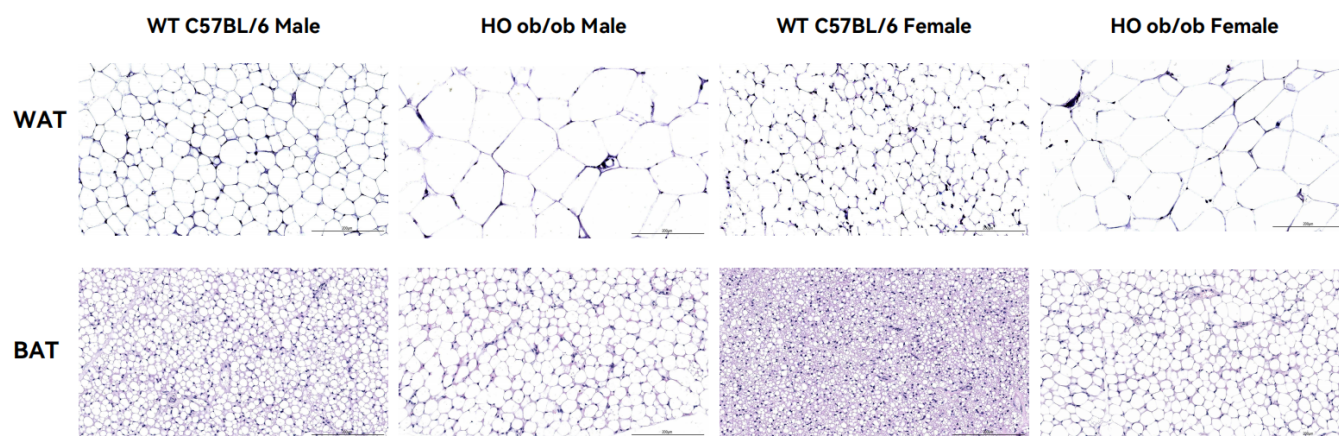


Fig4. H&E staining of the subcutaneous adipose tissue (SAT) in ob/ob mice.

Abbr. HO, homozygous; WT, wild type; WAT, white adipose tissue; BAT, brown adipose tissue.

Note. The tested ob/ob and C57BL/6 mice were 20 weeks old. Scale bar, 200 μ m; magnification, $\times$ 20.

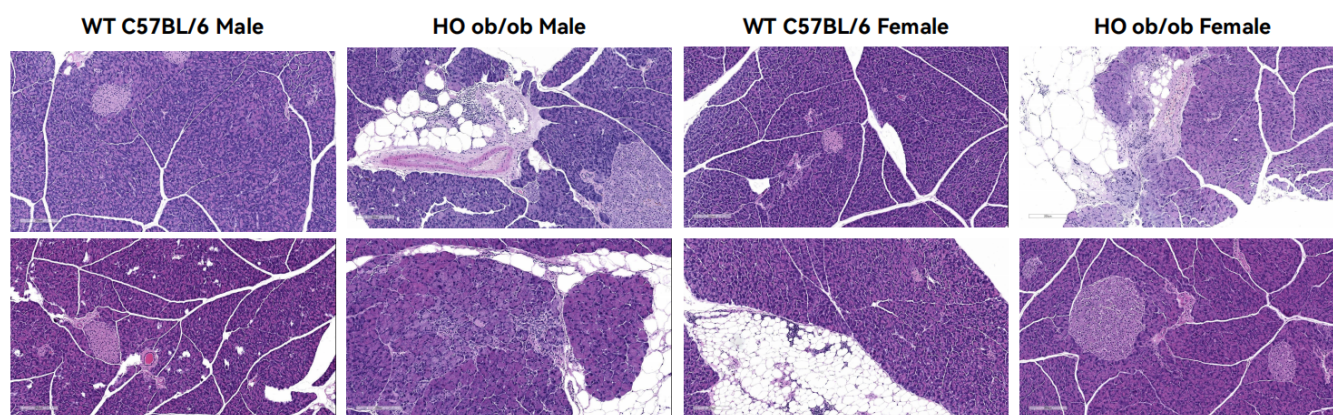


Fig5. Representative pictures of pancreas in ob/ob mice.

These results suggested the inflammatory cell infiltration of the pancreas in ob/ob mice.

Abbr. HO, homozygous; WT, wild type.

Note. The tested ob/ob and C57BL/6 mice were 20 weeks old. Scale bar, 200 μ m; magnification, $\times$ 10.