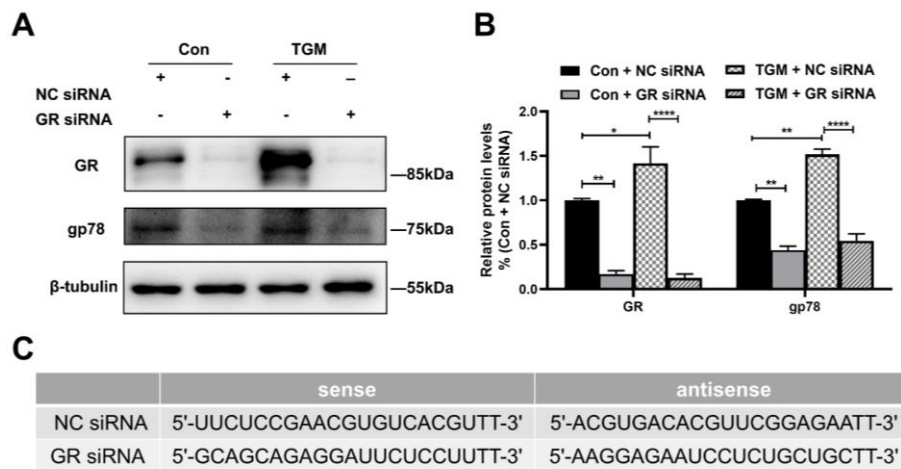


Supplemental Information

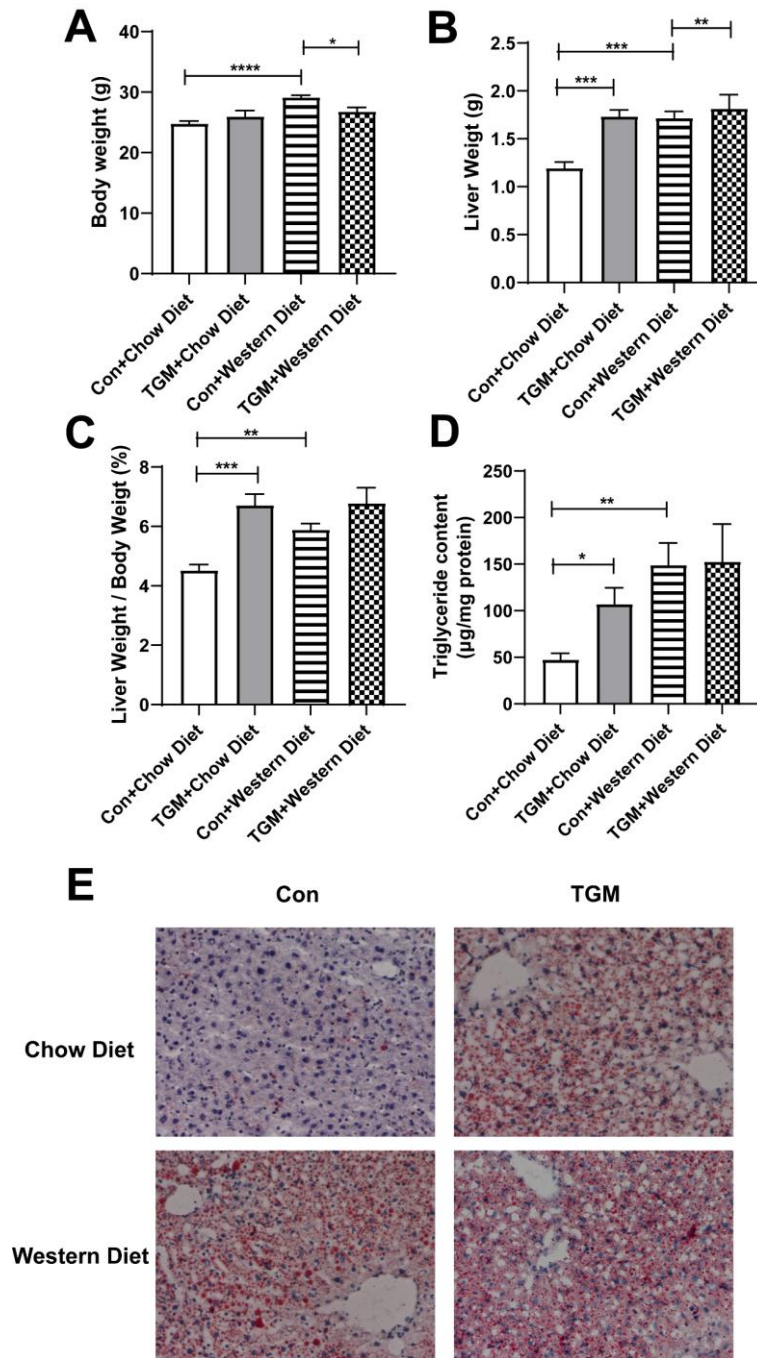
The GR-gp78 Pathway is Involved in Hepatic Lipid Accumulation Induced by Overexpression of 11 β -HSD1

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Supplement Figure 1



Supplement Figure 1: Gp78 was decreased when knocked down of GR with siRNA in primary hepatocytes of hepatocyte-specific 11 β -HSD1 transgenic mice (TGM) and the control group (Con). (A) Western blot showing the expression of GR and gp78 in primary hepatocytes of Con vs TGM after knocking down GR and (B) relative protein levels. (C) GR siRNA sequence (designed and synthesized from Genepharma (Shanghai, China)). (n = 3, * P <0.05, ** P <0.01, **** P <0.0001).



Supplement Figure 2: The phenotype of hepatocyte-specific 11β-HSD1 transgenic mice (TGM) and the control group (Con) fed with western diet. (A) Body weights (n = 5). (B) Liver weights (n = 5). (C) The statistical analysis of liver weight/body weight ratios (n = 5). (D) Measurement of triglyceride contents in livers of Con vs TGM (n = 5). (E) Oil red O staining of liver tissues. * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$.

Methods and Materials

siRNA transfection

The experimental procedures were conducted in the main text.

Mice fed with western diet

The western diet (H104101, fat 40% kcal, carbohydrate 43% kcal, protein 17% kcal, kcal/g = 4.7) was purchased from Hua Fukang Biological Technology Co., Ltd. Western diet feeding started at 6 weeks of mice age and continued for 12 weeks. Mice were fasted 5 ~ 6 h before sacrificed. The experimental procedures of liver triglyceride contents and Oil red O staining were conducted in the main text.