

Supplemental Figure 1:

A. 4 β -HC and other LXR agonist do not affect AKT phosphorylation. Primary mice hepatocytes were treated o/n with vehicle 4 β -HC, 24-HC or GW3965 followed with 40 minutes stimulation with Insulin.

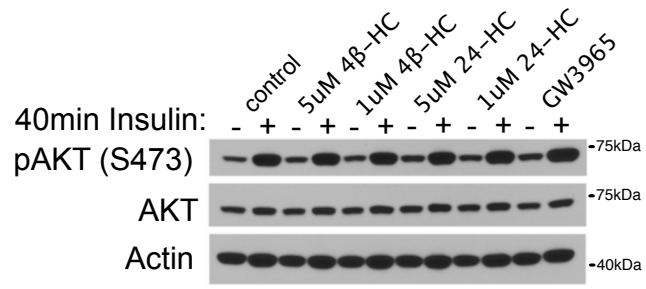
Proteins were extracted and AKT protein level was measured (N=1).

B. 4 β -HC level do not change between feeding and fasting. Mice were fasted for 16hrs and then refed for 4 hours, followed by liver and serum collection. 4 β -HC was measured by mass spectrometry (N=5).

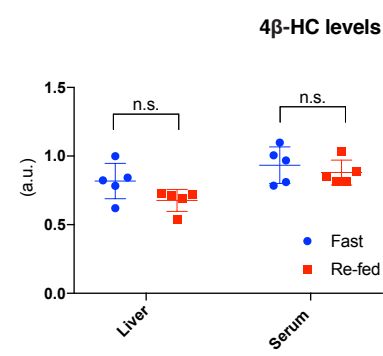
C. 4 β -HC does not induce ABCA1 in primary mice hepatocytes. Cells were treated o/n with vehicle or 5 μ M 4 β -HC followed with 6hrs stimulation with Insulin. ABCA1 mRNA level was measured by RT-PCR (N=4).

Supplemental Figure 1

A.



B.



C.

