GIP controls adipose insulin sensitivity via activation of CREB and p110β isoform of PI3 Kinase

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Supplemental Figure legends.

Figure S1
3T3-L1 adipocytes were serum starved for 2 h and incubated with indicated concentrations of GIP and isoproterenol in the presence of various concentrations of insulin for 30'. Cells were harvested in 1X sample buffer and loaded onto a 10% SDS gel. Blots were probed with anti-PKA-PAS and anti-perelipin antibodies.

Figure S2
3T3-L1 adipocytes were electroporated with HA-GLUT4-GFP alone or together with CREB constructs (WT, KCREB or CREB 133). Cells were fixed and stained with anti-CREB antibodies and imaged (A). Images were quantified to measure expression of CREB in cells positive for HA-GLUT4-GFP (B).

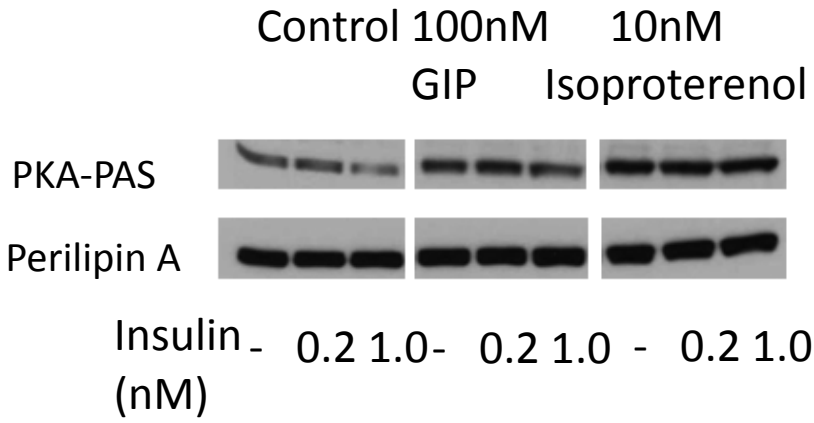
Control
100nM GIP
10nM Isoproterenol
PKA-PAS
Perilipin A
Insulin (nM)
- 0.2 1.0
- 0.2 1.0
- 0.2 1.0

Fig S1

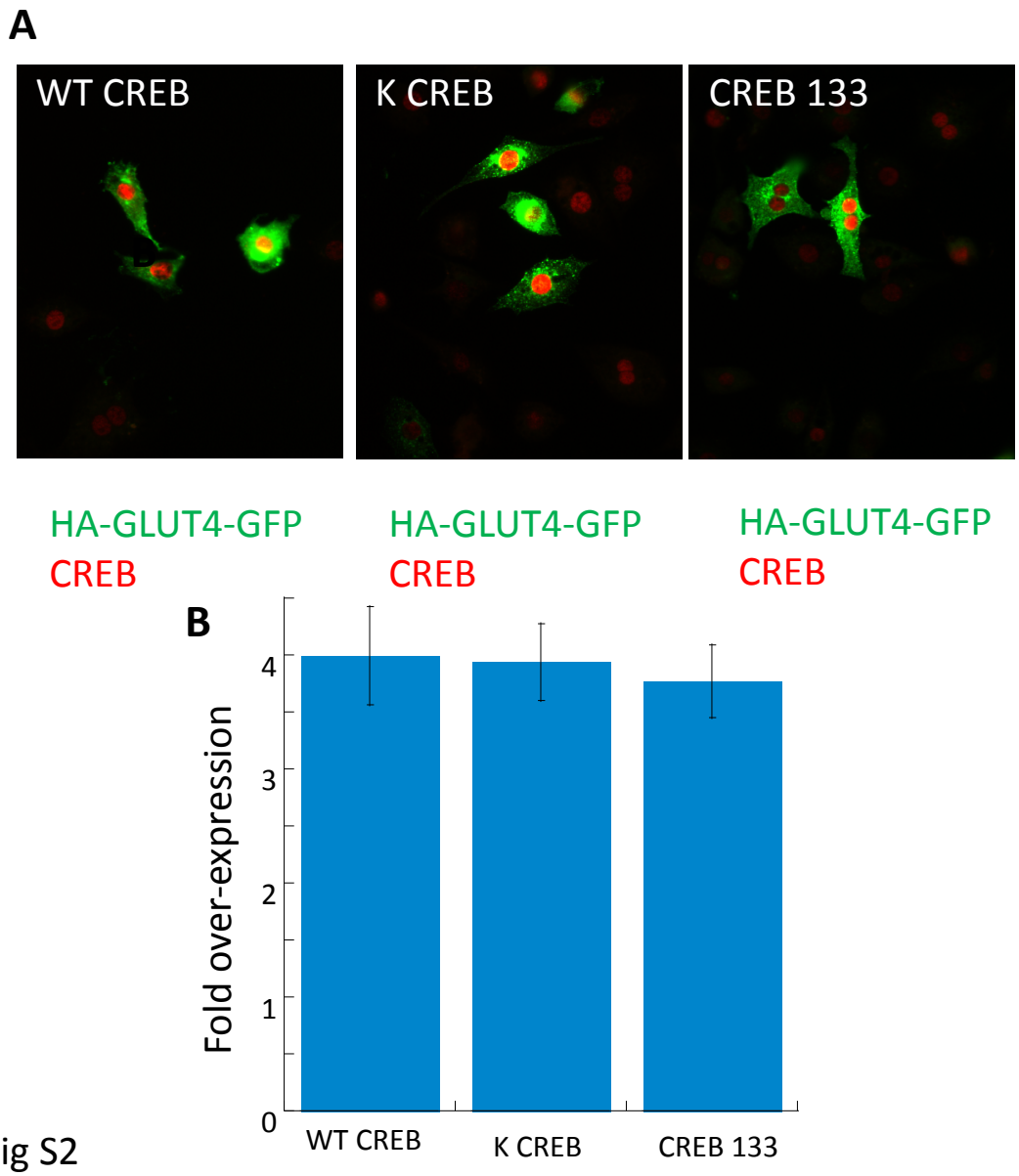
A
WT CREB
K CREB
CREB 133
HA-GLUT4-GFP
CREB
HA-GLUT4-GFP
CREB
HA-GLUT4-GFP
CREB
B
Fold over-expression
0
1
2
3
4
WT CREB
K CREB
CREB 133

Fig S2