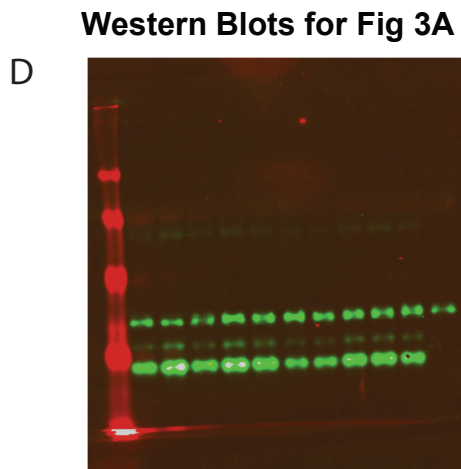
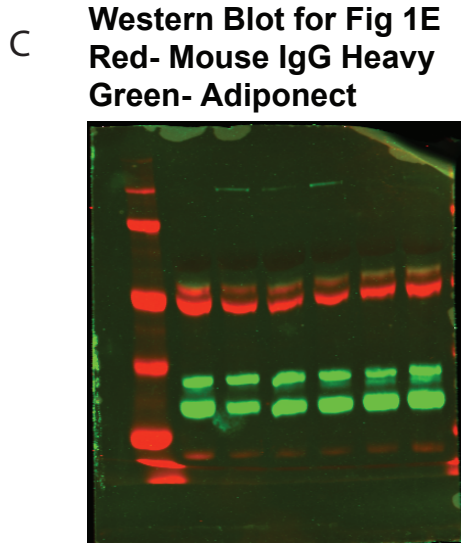
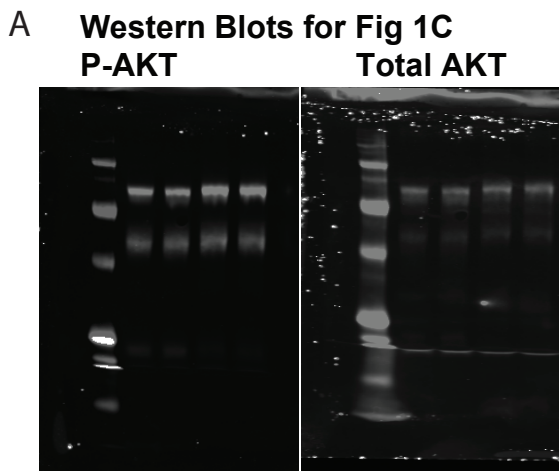
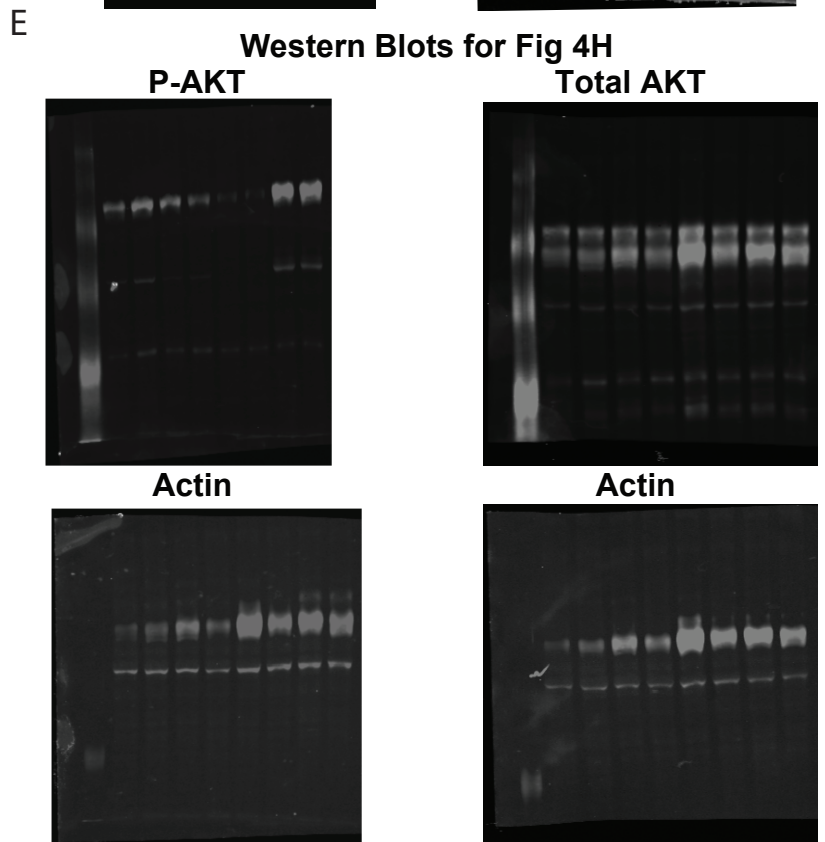
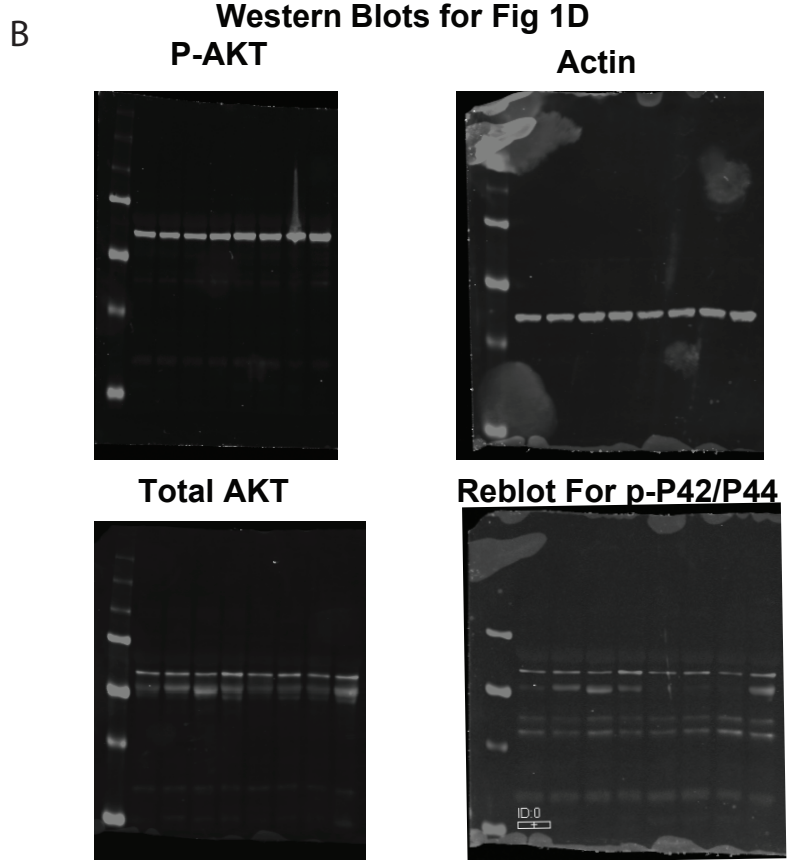


Supplementary Figure 1



Wild Types- Lanes 1,3,6,7,9,10
AiPKO- Lanes 2,4,5,8
Lane 11- Adiponectin KO Mouse



Supplementary Figure 1

Complete set of western blots for all experiments. **A)** Western Blots of P-AKT and total AKT on isolated adipocytes stimulated with 1nm insulin for 10 minutes. **B)** Western Blots of p-AKT and, p-P44/P42, total AKT and actin on isolated gonadal adipose tissue following insulin stimulation for the indicated amount of time. **C)** Western blot of adiponectin and mouse IgG on mice which had been on doxycycline containing chow diet for 4 weeks. **D)** Western blot for adiponectin on serum from mice which had been in HFD food containing doxycycline for 6 weeks **E)** Western blot of P-AKT, AKT and actin on liver protein lysates of mice which had been on HFD for 5 months and were then stimulated with insulin for 15 minutes before sacrifice.

Supplementary Table 1

B-actin	5'-TGGCATTGTTACCAACTGGG	5'-GGGTCATCTTTTCACGGTTG
TNF- α	5'-TCTGTCTACTGAACTTCGGG	5'-ATCTGAGTGTGAGGGTCTG
IL-6	5'-TCCAGTTGCCTTCTTGGGAC	5'-GTACTCCAGAAGACCAGAGG
MCP-1	5'-TAAAAACCTGGATCGGAACCAA	5'-GCATTAGCTTCAGATTTACGGGT
F4/80	5'-CTCAGTCTGCACCAATATCCTG	5'-CCACAGAGTTAGAGCAGTTGGAA
PRDM16	5'-ACACGCAGTTCTCCAACCTGT	5'-CCCACAGTCCTTGCACTTGAT
UCP-1	5'-TCTCAGCCGGCTTAATGACTG	5'-GGCTTGCATTCTGACCTTCAC
PGC1- α	5'-GCACCAGAAAACAGCTCCAAG	5'-CGTCAAACACAGCTTGACAGC
PTEN	5'-CAATCATGTTGCAGCAATCACT	5'-CCCATAAAAATCTAGGGCCTCT

Supplementary Table 1

Quantitative PCR primers used in the studies reported here.