Figure legend for S1 and S2

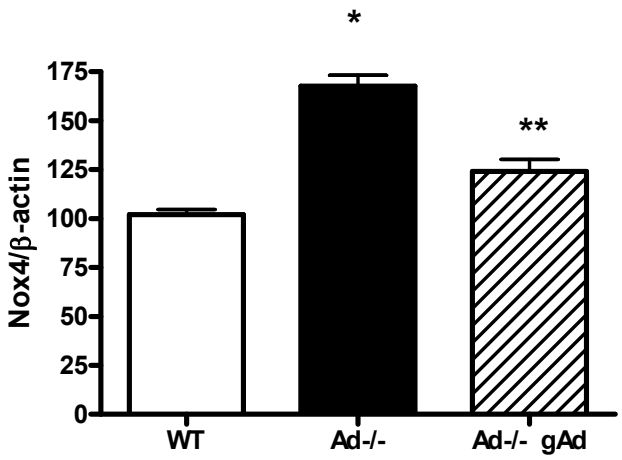
S1. Adiponectin receptor 2 protein present in liver but not kidney and podocytes. Total cell lysate protein (100 μg) from mouse liver, kidney and differentiated podocytes were resolved on SDS-PAGE and immunoblotted with antibody to Adipo R2 (Alpha Diagnostics). The membrane was stripped and immunoblotted with antibody to β-actin to verify equal loading.

S2. Kidney Nox4 mRNA levels were increased in Ad-/- kidneys and reduced with gAd treatment. Nox4 gene expression in kidneys of wild type, Ad-/-, and Ad-/- mice treated with gAd was measured by real time PCR. (Data presented as % control, *$p<0.05$ vs WT, **$p<0.05$ vs Ad-/-, mean ± SEM, n =5 per group).

Supplemental Data

S1

S2



Supplement to methods:

The primers for mouse AdipoR1, AdipoR2, Nox1, Nox2, Nox4 and β-actin are as follows:

AdipoR1:For; GTT TGC CAC TCC CAA GCA C, Rev; GTA AAG TGC ATG GTG GGT AC, Probe; Fam AC CAC TCA AGC CAA GTC CCA GGA AC Tamra

AdipoR2: For; CCT GGC AAA TGT GAC ATC TG, Rev; CGT GGA AGT GAA CAA AGG CA, Probe; Fam CA CTC TCA TCA GCT CTT CCA CAT CTT TG Tamra

Nox1: Forward; CTT TTA TCG CTC CCA GCA GA, Reverse; CTC GCT TCC TCA TCT GCA AT, Probe; Fam CG TGA TTA CCA AGG TTG TCA TGA ACC CA Tamra

Nox2: Forward; TGC CAC CAG TCT GAA ACT CA, Reverse ; CAG CAG GTC TGC AAA CCA CT, Probe; Fam AG GCA TGC GTG TCC CTG CAC AGC CA Tamra

Nox4: Forward; AGT AGT AGG AGA CTG GAC AG, Reverse; AAT GAA GGG CAG AAT CTC AGA, Probe ; Fam TC CGG GAT TTG CTA CTG CCT CCA TCA AG Tamra

beta-actin: Forward; AAG AGC TAT AGA CTG CCT GA, Reverse; ACG GAT GTC AAC GTC ACA CT, Probe ; Fam CA CTA TTG GCA ACG AGC GGT TCC G Tamra