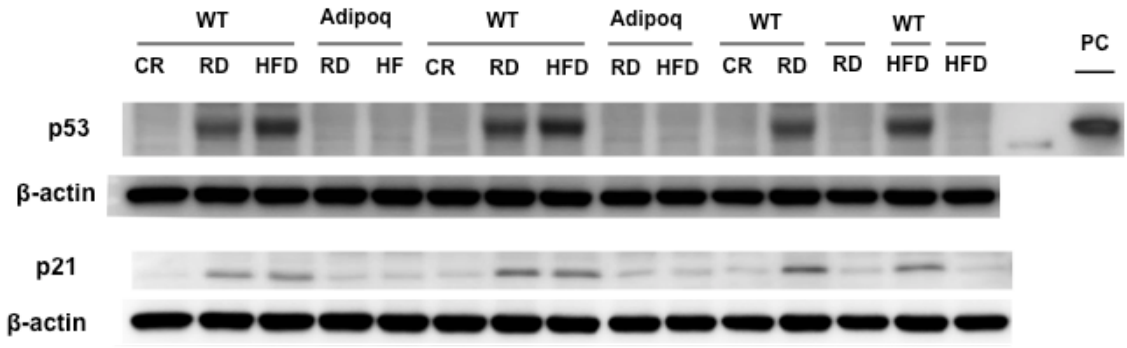
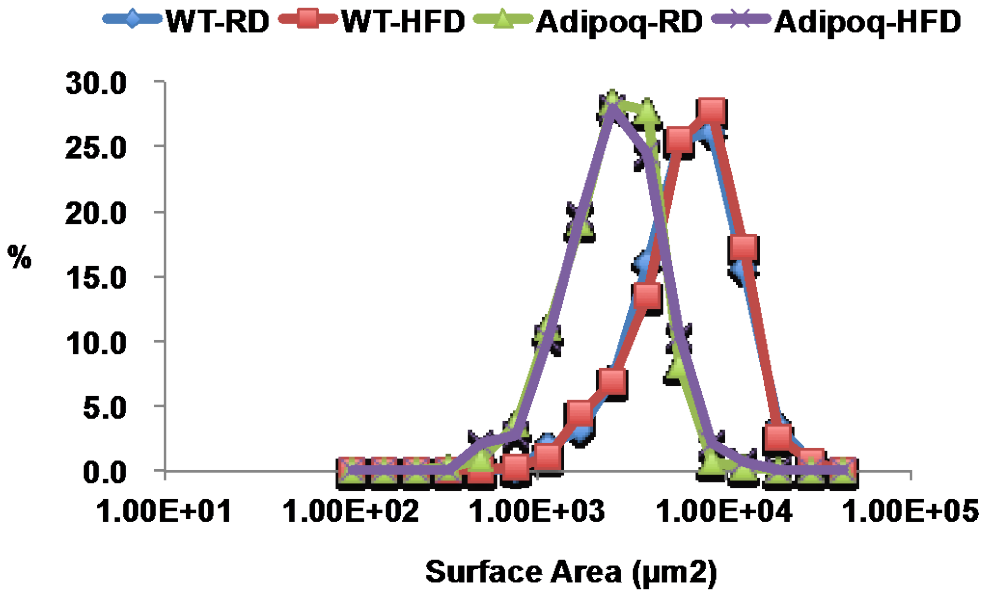
Supplemental Figure 1.




Western blots for p53, p21 and b-actin for quantitative analyses for Figure 2. PC, positive control for p53.

Supplemental Figure 2.




Adipoq decreases the size of adipocytes in the epididymal adipose tissue in mice fed a RD or a HFD. Surface areas of individual adipocytes were measured in Haematoxylin and Eosin stained sections using NIS-Elements AR software (Nikon Corporation, Japan) as described elsewhere (Mori et al, 2014). The number of mice analyzed was 4 in each group except WT-HFD (n = 5). Two microscopic images (Objective, ×10) from one section of each mouse were randomly captured. Histograms were drawn using areas of 583, 596, 832, and 676 cells in the WT-RD, WT-HFD, Adipoq-RD, and Adipoq-HFD groups, respectively.

## Reference for supplemental data

Mori, R., Tanaka, K., de Kerckhove, M., Okamoto, M., Kashiyama, K., Tanaka, K., Kim, S., Kawata, T., Komatsu, T., Park, S., Ikematsu, K., Hirano, A., Martin, P., Shimokawa, I., 2014. Reduced FOXO1 Accelerates Skin Wound Healing and Attenuates Scarring. Am J Pathol. doi:10.1016/j.ajpath.2014.05.012

Supplemental Table 1. Plasma Adipoq concentrations in experimental animals

| | WT:ESTRAP-RD | Adipoq:ESTRAP-RD | WT:ESTRAP-CR |
|---|---|---|---|
| Human Adipoq (μg/mL) | nd | 148.2 ± 27.0 | nd |
| Mouse Adipoq (μg/mL) | 30.9 ± 2.1 | 180.4 ± 3.1*** | 54.4 ± 5.0**/### |

Means ± standard errors (n = 5). nd, not detected. ** $p < 0.01$, *** $p < 0.001$ versus WT:ESTRAP-RD, as determined by 1f ANOVA with Tukey's HSD test. ### $p < 0.001$ versus Adipoq:ESTRAP-RD