Overexpression of the adiponectin gene mimics the metabolic and stress resistance effects of calorie restriction, but not the anti-tumor effect.

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Supplemental Figure 1.

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

Supplemental Table 1. Plasma Adipoq concentrations in experimental animals

<table>
<thead>
<tr>
<th></th>
<th>WT:ESTRAP-RD</th>
<th>Adipoq:ESTRAP-RD</th>
<th>WT:ESTRAP-CR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human Adipoq (µg/mL)</td>
<td>nd</td>
<td>148.2 ± 27.0</td>
<td>nd</td>
</tr>
<tr>
<td>Mouse Adipoq (µg/mL)</td>
<td>30.9 ± 2.1</td>
<td>180.4 ± 3.1***</td>
<td>54.4 ± 5.0**/###</td>
</tr>
</tbody>
</table>

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