Supporting Information

**Protein Normalization in Different Adipocyte Models and Dependence on Cell Size**

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Figure S1. Course of HKs in differentiated murine 3T3-L1 cells. Murine fibroblast-like 3T3-L1 cells were induced for differentiation at a pre-confluent state (day 0) (A) until they reached the typical phenotype of differentiated adipocytes on day 16 (B). During the course of differentiation protein was harvested at the time points indicated and 20 µg of whole-cell lysate was subjected to SDS-page with subsequent western blot analysis for GAPDH (C), β-actin (D), α-tubulin (E), histone 3 (F), HPRT (G), and Coomassie staining in the range indicated (H). Data are shown as relative changes compared to the protein level at confluence. Each column is the mean ± SD of 3 independent experiments. Statistical analysis was performed by one sample t-test and unpaired t-test (*=p<0.05; **=p<0.01).
Figure S2: Course of HKs in differentiated human preadipocytes in dependence of BMI.

Human adipose precursor cells were isolated from non-obese and obese subjects as described in Methods and were cultured until they reached the typical phenotype of differentiated adipocytes on day 16. Protein was harvested at the time points indicated and 20 μg of whole-cell lysate was subjected to SDS-page with subsequent western blot analysis for GAPDH (A), β-actin (B), α-tubulin (C), histone 3 (D), HPRT (E), and Coomassie staining in the range indicated (F). Data are shown as relative changes compared to the protein level on day 0. Each column represents the mean ± SD of 4 - 3 independent experiments. Statistical analysis was performed by one sample t-test (*=p<0.05 vs. d0).