Supplementary Figure 3 Cellular localization of RARα.

(A) Cellular localization of RARα is not altered upon retinoid treatment in 3T3-L1-cells. Top panel: cytosolic and nuclear fractions were obtained 8 h after treatment with retinoids or vehicle (control). Normalized amounts of each fraction were Western-blotted and detected with the anti-RARα-antibody. Means ± SEM of 4 experiments are presented. The bottom panels show representative Western blots probed with the antibodies against RARα, RARβ and RARγ, respectively, as described in the methods section. (B) Cellular localization of RARα is again not altered by retinoids in human BAFs, which were treated as described for 3T3-L1-cells above. (C) Validation of the cytosolic/nuclear fractionation. 20 μg protein from cytosolic or nuclear extracts, respectively, from ethanol treated or at-RA-treated cells were Western-blotted and subsequently probed with antibodies against the nuclear Lamin A/C and the cytosolic GAPDH. Both fractions show cross-contamination levels below 10 %.