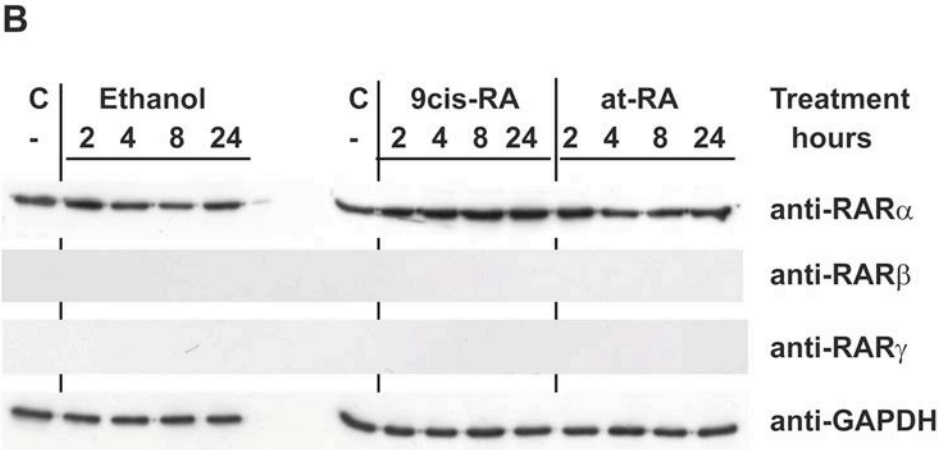
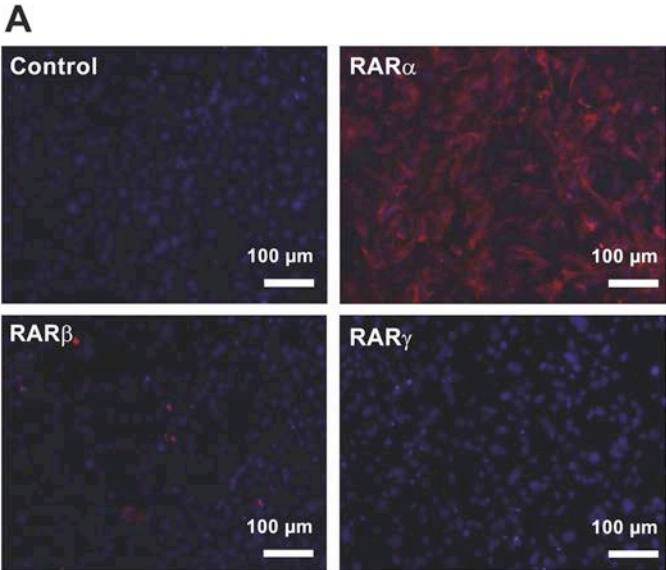


Supplementary figure 1



Supplementary Figure 1 Retinoid acid receptor- α expression in preadipocytes

(A) Immunofluorescence microscopy of 3T3-L1-preadipocytes stained with antibodies against RAR α , RAR β and RAR γ or without primary antibody (control). All slides were incubated with the appropriate Cy3-conjugated secondary antibodies (as detailed in Materials and methods). Control is only shown for RAR α . Nuclei were stained with Hoechst dye before embedding in Mowiol mounting medium. Note intense RAR α -staining in almost every cell, whereas RAR β -staining is detected only in some dispersed and mostly condensed cells, and RAR γ -expressing cells could not be detected. (B) Western blotting readily detected RAR α in 3T3-L1-lysates, whereas RAR β - or RAR γ -specific antibodies did not produce clear signals. Cells were either untreated (C) or treated for the indicated times with vehicle (ethanol), 1 μ M at-RA, or 1 μ M 9cis-RA. Samples were run in parallel on two gels, thereafter blotted onto one PVDF-membrane resulting in the gap. Conditions were as detailed in the methods section (20 μ g protein loaded per lane, primary antibodies diluted 1:1000, film exposure was 6 s for RAR α , 55 min for RAR β or RAR γ , respectively).