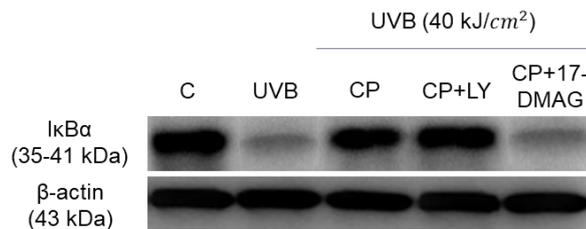
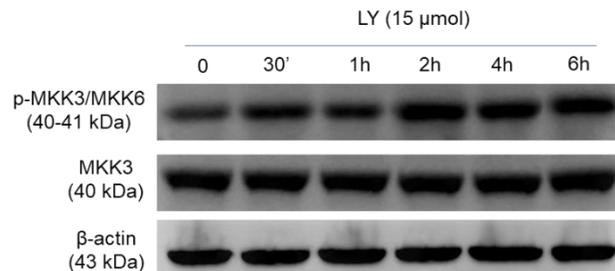


**Supplementary Fig. 1.** The protective effects of LY and resveratrol on GC-induced senescence and collagen synthesis decrease in HDFs. Cells were pretreated with 15  $\mu$ M LY or 20  $\mu$ M resveratrol for 6 h, then treated with 0.1  $\mu$ M CP for 24 h. The expressions of COL1A1, Sirt1, MMP1, FKBP51, p53, GR and p-GR in HDFs were identified by western blot.  $\beta$ -actin was used as a loading control.



**Supplementary Fig. 2.** The selected dose of LY maintains the anti-inflammatory action of GC in cytoplasm. Cells were pre-treated with 15  $\mu$ M LY or 10  $\mu$ M 17-DMAG for 6 h, then treated with 0.1  $\mu$ M CP for 24 h. The expression of I $\kappa$ B $\alpha$  was evaluated by western blot analysis.  $\beta$ -actin was used as a loading control.



**Supplementary Fig. 3.** LY enhances the activation of p38 in a time-dependent manner. Cells were treated with 15  $\mu$ M LY for indicated times. The levels of p-MKK3/MKK6 and MMK3, the upstream of p38, were evaluated by western blot analysis.  $\beta$ -actin was used as a loading control.