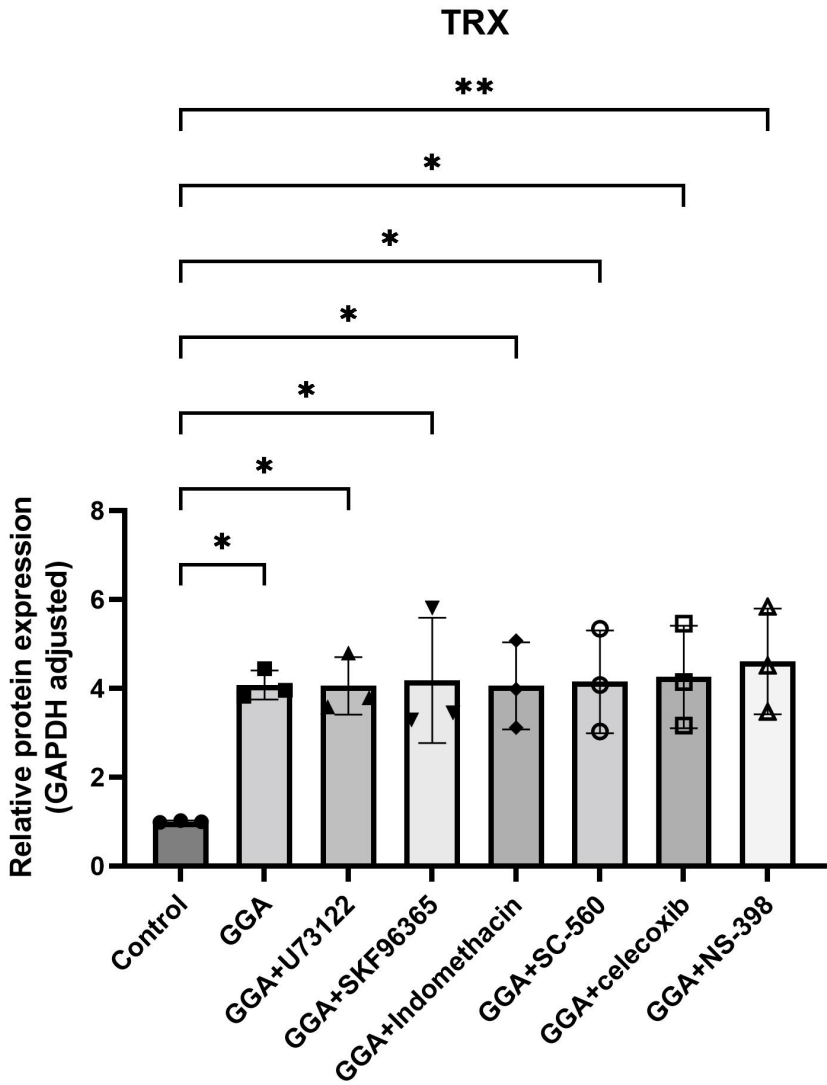
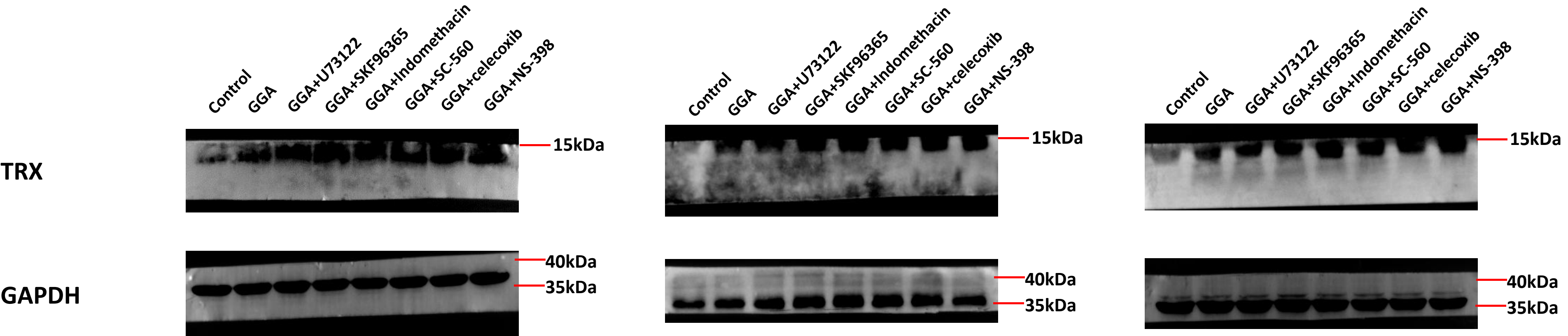


Geranylgeranylacetone Ameliorates Skin Inflammation by Regulating and Inducing Thioredoxin via the Thioredoxin Redox System

Supplementary Material

Negative results



U-73122, SKF96365, Indomethacin, SC-560, celecoxib and NS-398 did not significantly inhibit GGA-induced TRX expression in PAM212 cells. The protein expression of TRX was detected by Western blot at 24 h post-stimulation. The relative expression of TRX was quantified and normalized to GAPDH. Treatments of 10 μ M U-73122 (phospholipase C inhibitor), 20 μ M SKF96365 (TRPC inhibitor), 150 μ M Indomethacin (COX1/2 inhibitor), 0.3 μ M SC-560 (COX1 inhibitor), 1 μ M celecoxib (COX2 inhibitor) and 60 μ M NS-398((COX2 inhibitor)) failed to remarkably inhibit the expression of TRX compared to the GGA-treated group. All inhibitors were purchased from MedChemExpress(China). ; values are mean \pm SD of three independent experiments (*p<0.05, **p<0.01; one-way ANOVA with post-hoc Tukey' s).