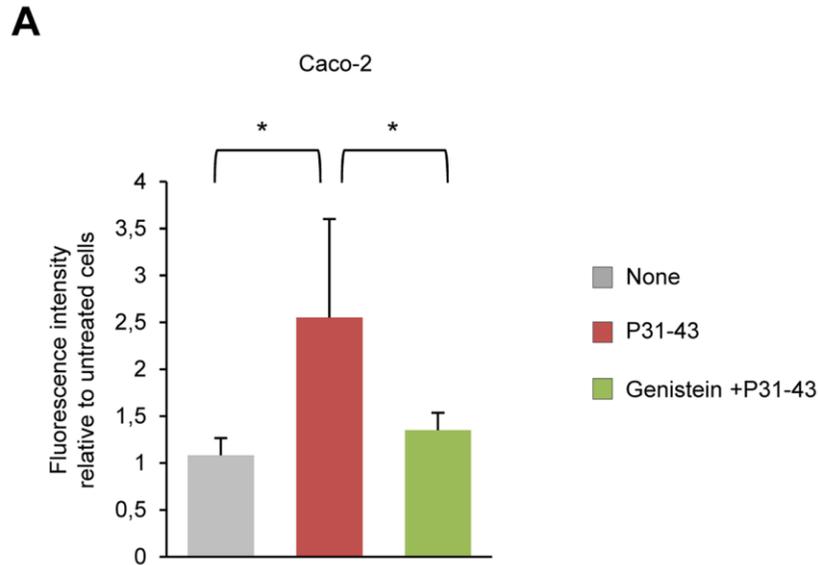
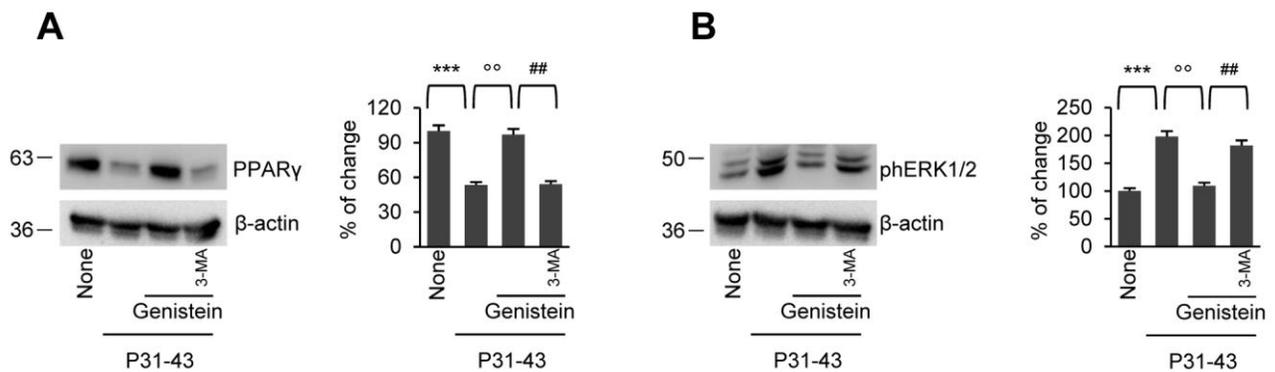


SUPPLEMENTARY FIGURES



**Supplementary Figure 1. Genistein reverses oxidative stress induced by P31-43.** The cells were challenged with P31-43 (20µg/ml for 24 hours) in presence or in absence of a 20 min pre-incubation with genistein. Cells were afterwards loaded with CellROX (cellular ROS probe; 5 µM for 10 min at 37°C) and analyzed by confocal microscopy. Quantification of cellular ROS. Means ± SD of three independent experiments. Two paired Student's *t* test, \**p*<0.05 versus untreated cells and versus P31-43-treated cells.



**Supplementary Figure 2. 3-MA abrogates the effect of genistein on signs of mucosal inflammation.** (A-B) Genistein-treated cells were incubated with P31-43 in the presence or absence of 3-MA. Immunoblot of ph-ERK 1/2 (A) or PPARγ (B) and densitometric analyses of protein levels. β-actin was used as loading control. Means±SD of three independent experiments; \*\*\**p*<0.001 versus untreated cells, °°*p*<0.01 versus P31-43-challenged cells and ##*p*<0.01 versus P31-43-challenged cells pre-treated with Genistein (ANOVA, Bonferroni post-hoc test).