

Figure 5

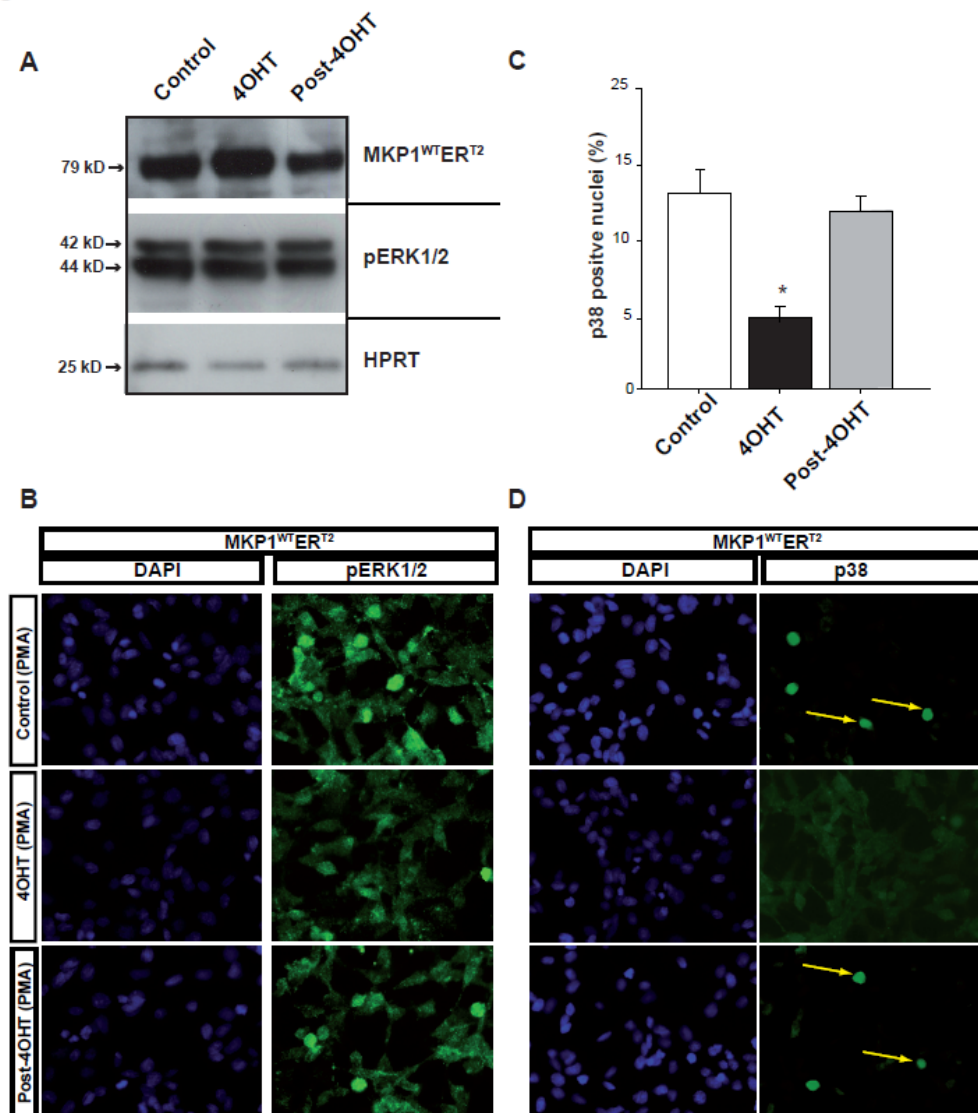


Fig. 5. Expression of inducible DUSP1^{WT} and reversible inhibition of ERK1/2 and p38 phosphorylation in mouse fibroblasts treated with 4-OH tamoxifen and PMA.

(a) Western blot illustrating the constitutively expression of DUSP1^{WT}ER^{T2} (79.42 KDa). There was not difference between the different treatments. HPRT was used as loading control. (b) Expression of active p-ERK1/2 before (control), during (4-OHT) and after induction with 4-OH tamoxifen (Post-4-OHT) and PMA. It was not possible to observe clear differences between different treatments. (c) Quantification of pp38 positive nucleus compared to total number of cells. The fibroblasts treated with 4-OHT presented three times less pp38 positive nucleus than control and post-treated cells. * indicates $p < 0.001$. (d) Expression of active p38 before (control), during (4-OHT) and after induction with 4-OH tamoxifen (Post-4-OHT) and PMA. Only in the central panel (4-OHT) is possible to observe a decrease of pp38 levels compared to control.