

Figure 3

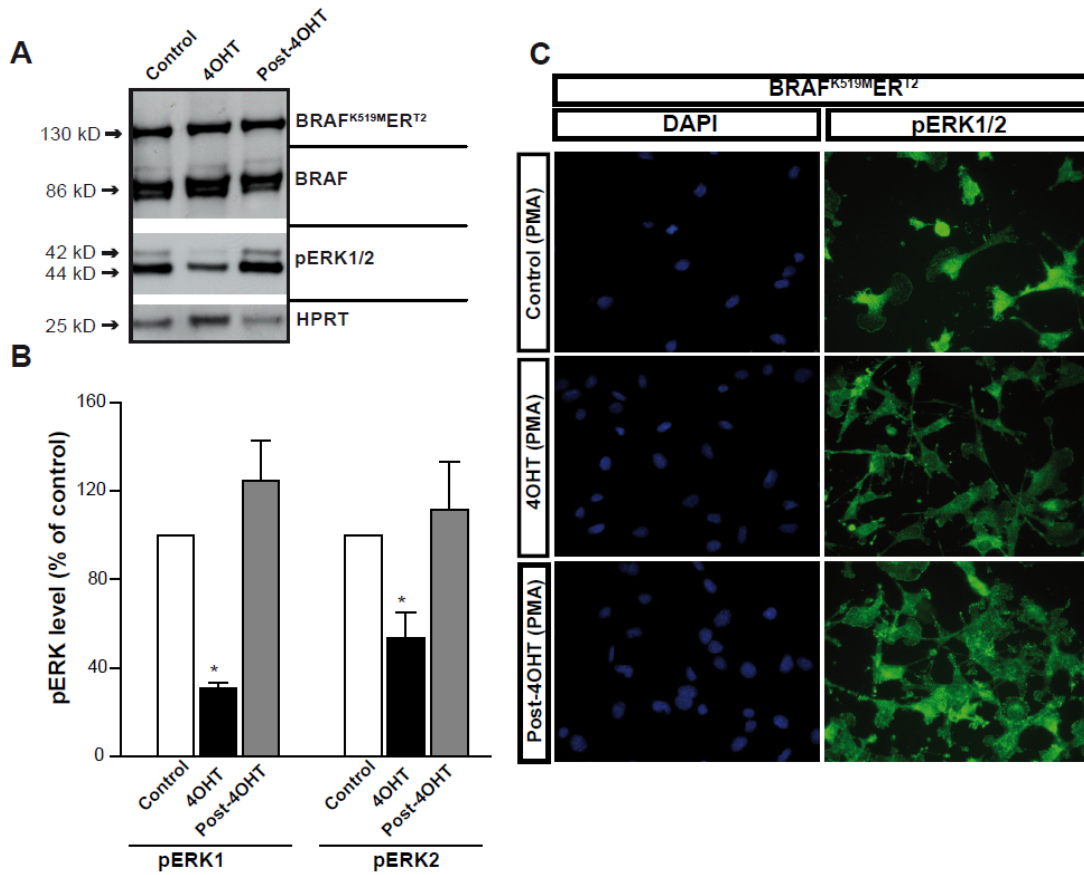


Fig. 3. Expression of kinase dead BRAF^{K519M}-ER^{T2} in fibroblasts and reversible inhibition of PMA induced ERK1/2 phosphorylation by 4OHT.

(a) Western blot illustrating the constitutive expression of BRAF^{K519M}-ER^{T2}, of endogenous BRAF, of phosphorylated ERK1 and ERK2 (pERK1/2), and of HPRT as loading control. 4OHT leads to the reversible decrease of pERK1/2 levels. (b) Quantification of pERK1 and pERK2 levels as compared to the PMA treated control from the blot shown in (a). *. * indicates a significance difference ($p < 0.005$). (c) Immunostaining of pERK1/2 before (control), during (4OHT) and after induction (Post-4OHT) of BRAF^{K519M}-ER^{T2} expressing fibroblasts in the presence of PMA. A decrease of pERK1/2 is observed in the presence of 4OHT.