Figure 3: Analysis of cell line effects on pathway interference

A) Western blot analysis of SW620 cells treated with BEZ235 showing a decrease in pS338 c-RAF, pS217/221 MEK, pT202/204 ERK1/2, and pS44/244 S6 levels compared to control (DMSO).

B) Western blot analysis of Caco2, HCT116, and SW620 cells treated with siPi3K showing a decrease in pT202/204 ERK1/2 levels compared to control (DMSO).

C) Bar graph showing the relative expression of MYC, CDKN1A, CCND1, CDKN1, MNSOD, and GADD45 in cells treated with DMSO and BEZ235.

D) Bar graph showing the relative expression of IR, IGF1R, and HER3 in cells treated with DMSO, BEZ235, siFOXO3A DMSO, and siFOXO3A BEZ235.