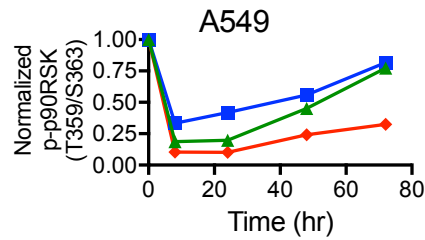
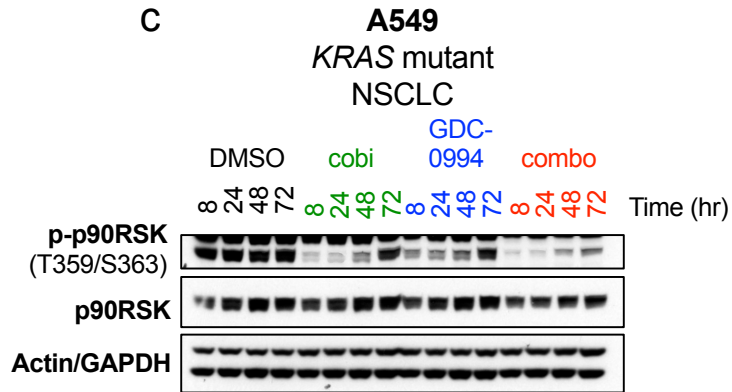
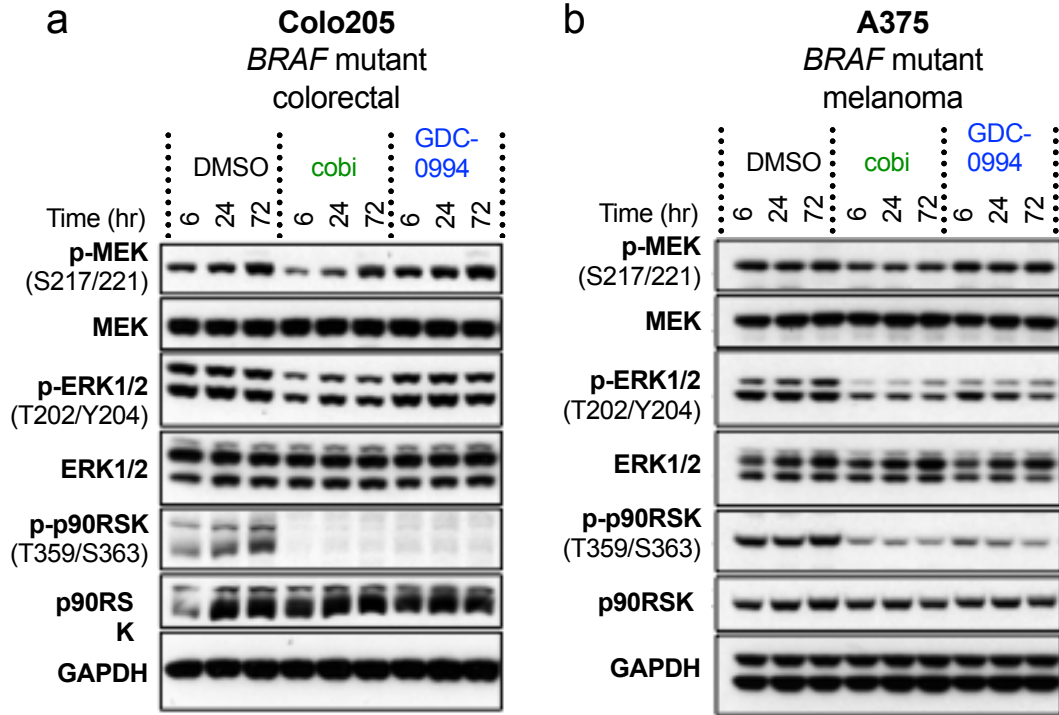


Figure S2



Supplemental Figure 2. Cobimetinib and GDC-0994 activity in *BRAF* mutant cell lines and combination activity in the A549 *KRAS* mutant cell line.

(a) Colo205 (*BRAF*^{V600E}, colorectal) or (b) A375 (*BRAF*^{V600E}, melanoma) cells were treated with DMSO or 0.5x EC50 concentrations of either cobimetinib (0.005 μM) or GDC-0994 (0.1 μM) for the indicated number of hours followed by analysis of pathway activation at the level of MEK, ERK, and p90RSK relative to the loading control GAPDH. (c) A549 (*KRAS*^{G12S}, NSCLC) cells were treated with DMSO single agent cobimetinib at 0.25 μM, single agent GDC-0994 at 1.25 μM or the combination of half concentrations of both agents (0.125 μM cobimetinib and 0.625 μM of GDC-0994) for the indicated number of hours followed by analysis of pathway activation at the level of p90RSK relative to the loading controls of Actin and GAPDH. The graph below shows quantification of the immunoblot above for normalized p-p90RSK ([p-p90RSK/actin]/[total p90RSK/actin]) following treatment with cobimetinib (green triangles), GDC-0994 (blue squares) or the combination (red diamonds) in A549 cells.