Breast Cancer Research & Treatment

Supplementary File: HO-1 drives autophagy as a mechanism of resistance against HER2-

targeted therapies

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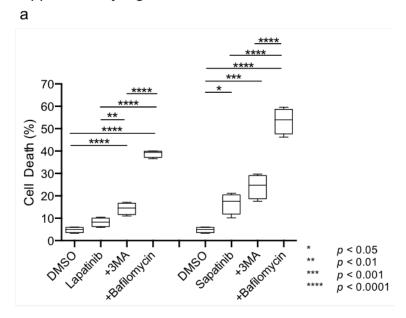
Professor Valerie Brunton

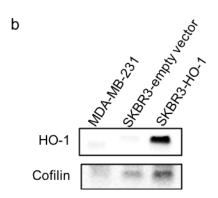
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Supplementary Figure 1





Supplementary Fig.ure 1 MDA-MB-231 cells were treated for 48 hours with dimethyl sulfoxide (DMSO; 0.01%), sapatinib (0.67 μ M) or lapatinib (5 μ M) in the presence or absence of autophagy inhibitors 3-methyladenine (3-MA; 5 mM) or bafilomycin A1 (bafilomycin; 5 nM). Cells were stained with propidium iodide and percentage of cell death was analysed using an AccuriTM C6 Flow Cytometer. Results presented as box and whisker plot, minimum of three biological repeats. All conditions were compared to DMSO control and single agent treatments. One-way ANOVA, Bonferroni's post-hoc test, not significant=NS, p<0.05=*, p<0.01=**, p<0.001=***. (b) Western blot analysis of HO-1 in SKBR3 vector, SKBR3-HO-1 and MDA-MB-231 cells. Cofilin was used as a loading control