

SUPPLEMENTARY FIGURES

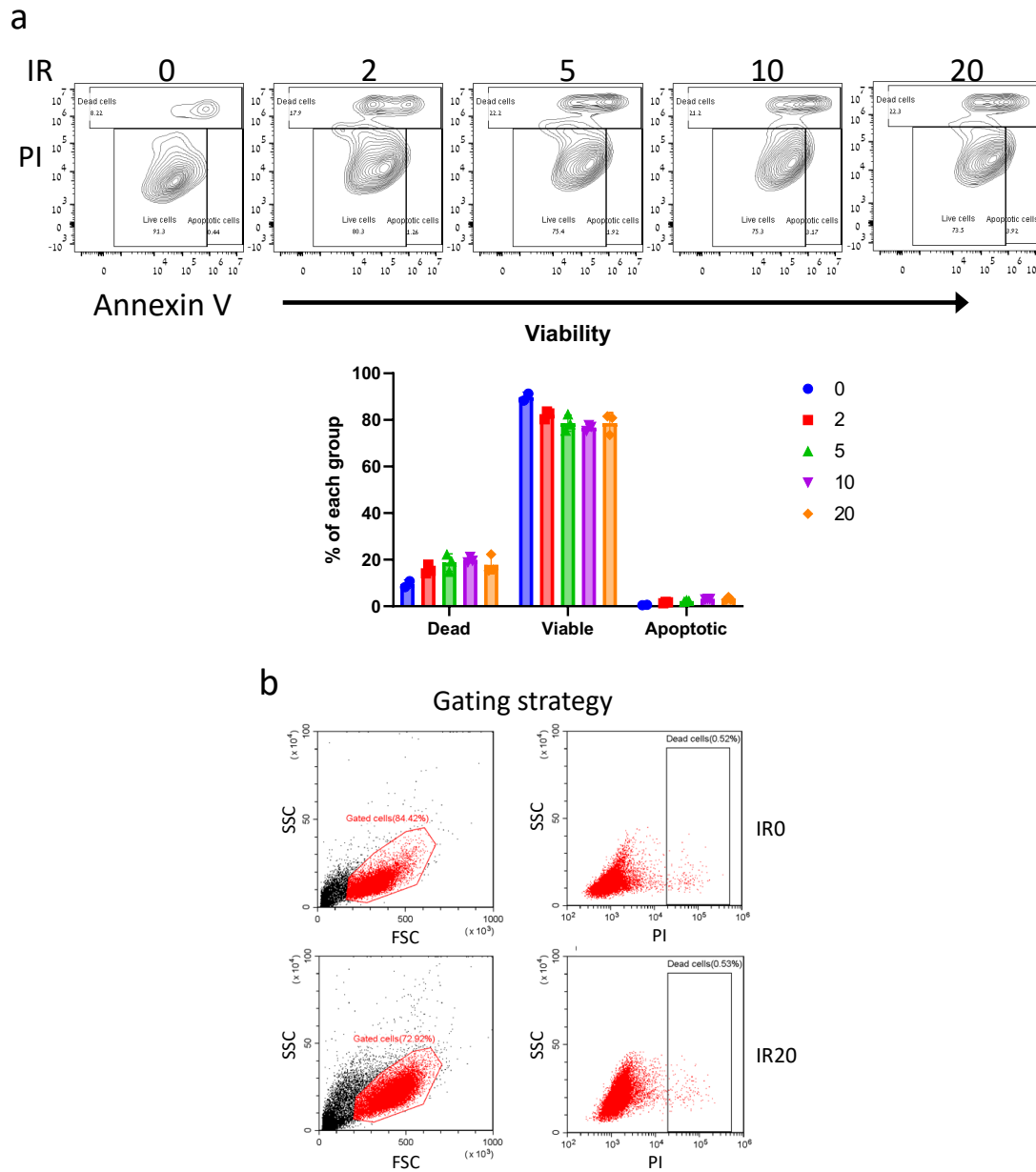


Figure S1: Cell viability following γ -irradiation

A. HEK-293T cells were irradiated at the indicated dose and 24h later cells were collected and stained with Annexin V-FITC and propidium iodide (PI). The percentage of dead, live and apoptotic cells are shown in the graph as an average (\pm STD) of four replicates in each group. A representative experiment of at two independent experiments is shown. B. The FSC/SSC gating strategy of live cells is shown.

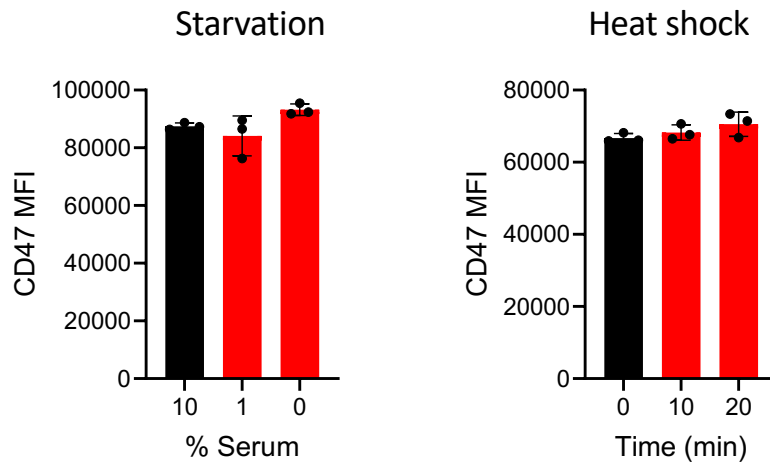


Figure S2: Heat shock and serum starvation do not induce CD47 overexpression. HEK-293T cells were incubated in 42°C for 10 and 20 minutes or incubated in medium containing 10, 1 or 0 percent serum for 24h. CD47 expression (MFI) on HEK-293T cells' surface 24h after treatment is presented. Graphs show an average (\pm STD) of four replicates in each group. A representative experiment of at least four independent experiments is shown. ns: non-significant.

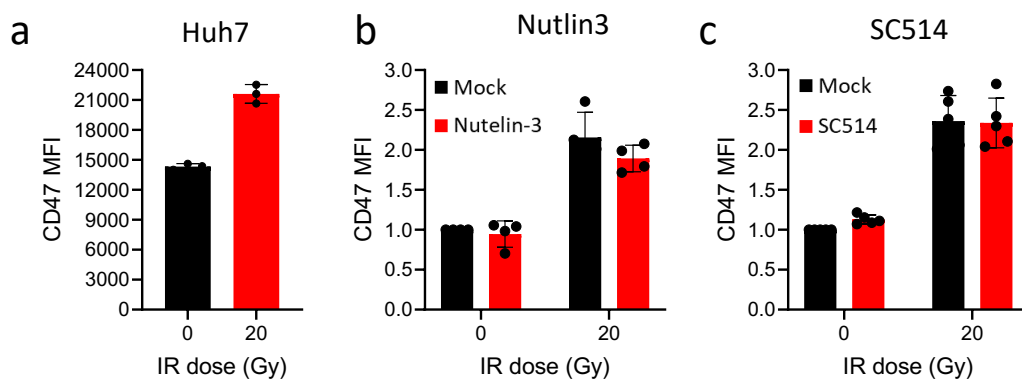


Figure S3: Overexpression of CD47 in response to γ -irradiation is not dependent on p53, NF κ B pathways

A. CD47 expression in Huh7 cells following γ -irradiation. **B-C.** HEK-293T cells were treated with either nutlin-3 (**B**) or SC514 (**C**) and then exposed to γ -irradiation. Graphs depict CD47 expression (MFI). Graph shows an average (\pm STD) of four independent experiments. ns: non-significant; ** $p < 0.005$.

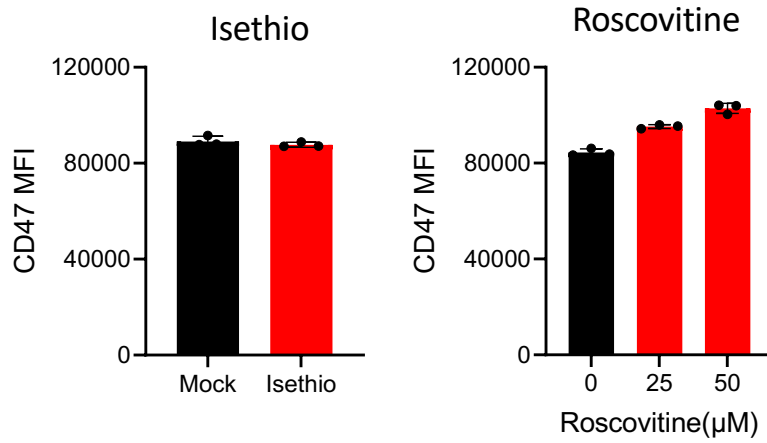
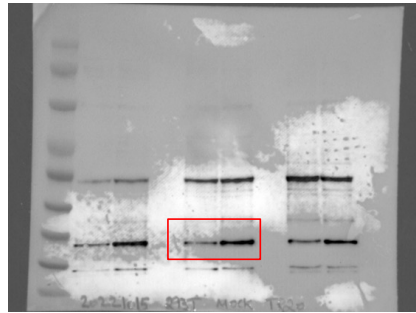
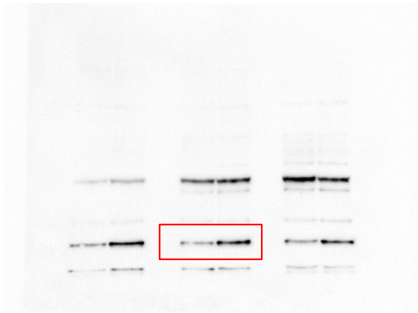
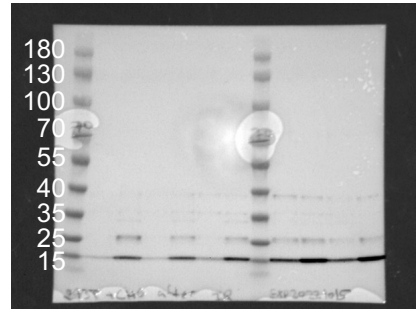
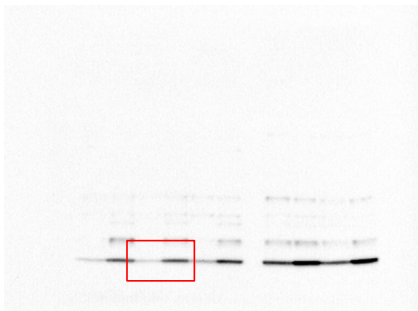


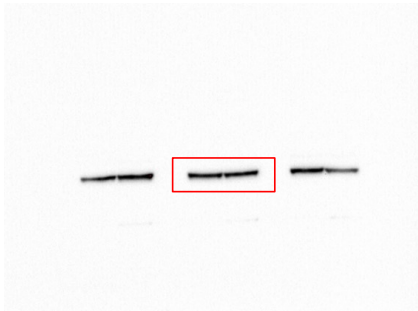
Figure S4: *Cell cycle arrest does not induce CD47 overexpression.* HEK-293T cells were incubated with the indicated CDK inhibitors for 24h and CD47 expression was determined. Graphs show an average (\pm STD) of four replicates in each group. One of at least four independent experiments is shown. ns: non-significant.



CD47



γ H2AX



Actin

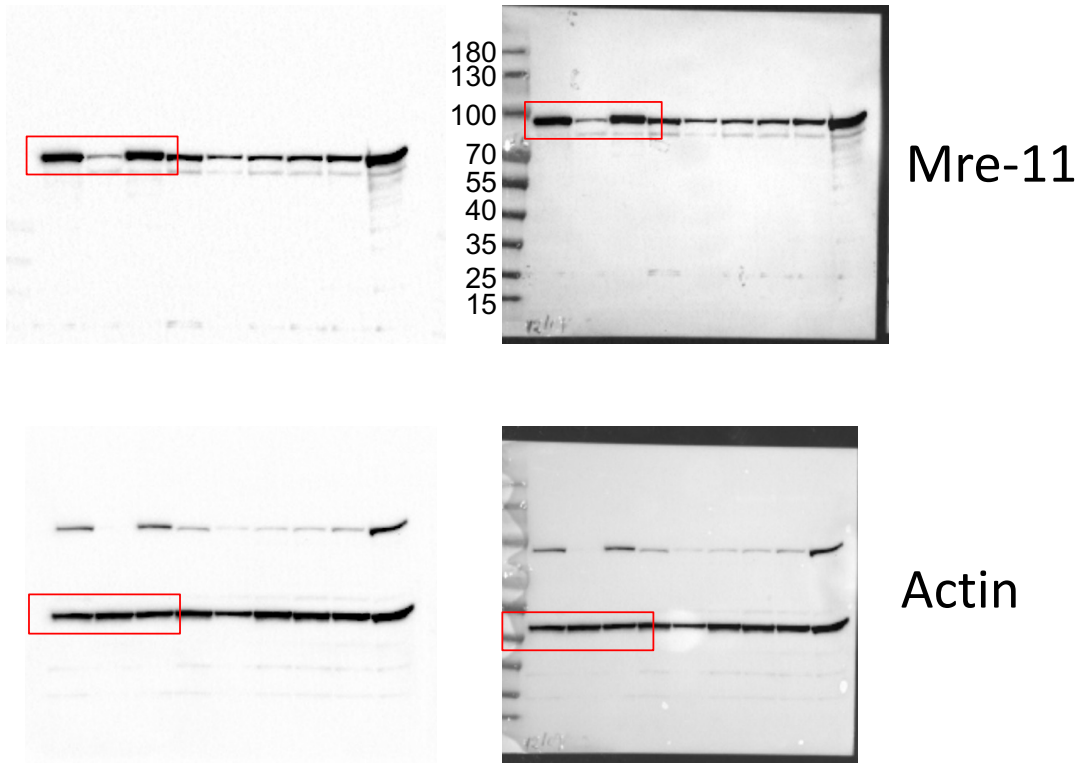


Figure S5: *Unprocessed scans of Western Blotting in figures 3 and 4*