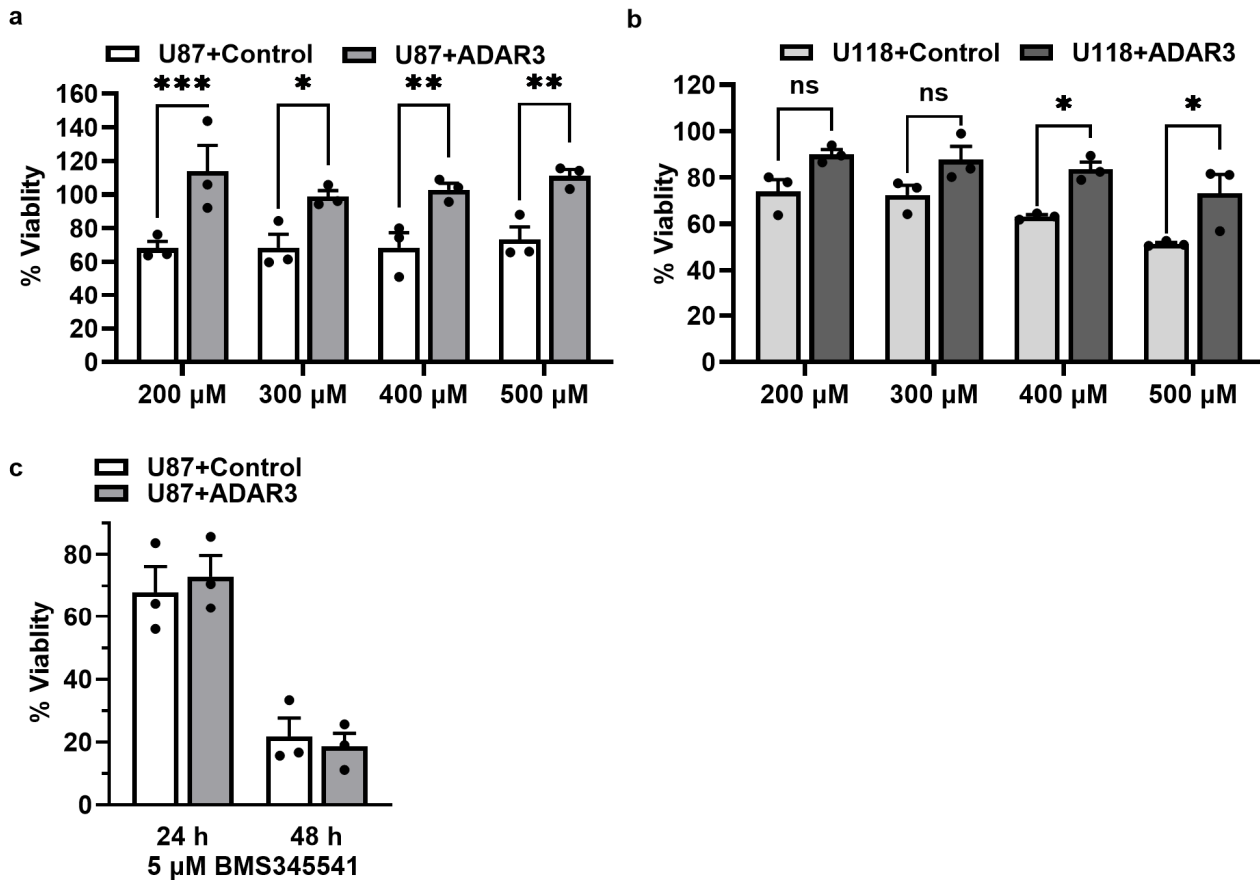


**Figure S5**



**Supplementary Figure S5. ADAR3 expression increases glioblastoma cell survival to**

**temozolomide.** (a, b) Cell viability of ADAR3-expressing U87 (a) and U118 (b) cells compared to the respective control cells was determined using an MTT assay. Cells were treated with DMSO or the indicated concentration of temozolomide (dissolved in DMSO) for 24 h. The absorbance obtained at 0 h for each sample was subtracted from the 24 h readings, and live cells in the TMZ treated cells are represented as the percentage of corresponding DMSO treated cells. (% Cell viability =  $[A_{600}(t) - A_{600}(0)]_{\text{treatment}} / [A_{600}(t) - A_{600}(0)]_{\text{control}}$ ). (a, b) The mean of three biological replicates is plotted with error bars representing SEM. Statistical significance was determined using two-way ANOVA Fisher's LSD test. \* $p \leq 0.05$ , \*\* $p \leq 0.005$ , \*\*\* $p \leq 0.0005$ . (c) Cell viability of control and ADAR3-expressing U87 cells treated with 5 μM BMS345541 or DMSO for 24 and 48 h was determined using an MTT assay as described in (a).