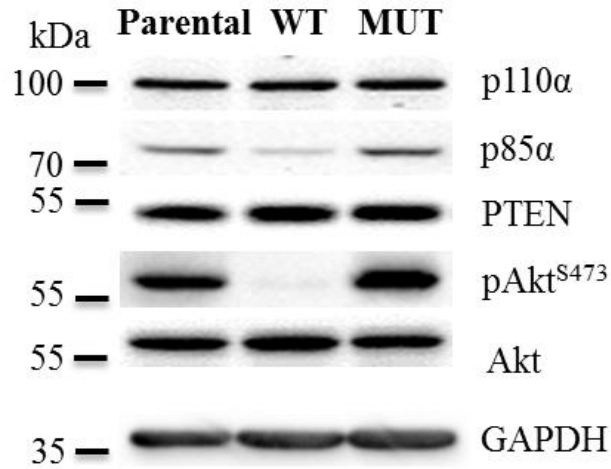


Supplemental Figure 1 **The H1047R mutation in the p110 α kinase domain of PI3K increases the levels of cellular PIP₃.** Lipids were extracted from HCT116 WT and MUT cells (2.5×10^7 cells of each), and the levels of PIP₃ were measured using a PIP₃ Mass ELISA Kit. The level of PIP₃ was significantly higher in MUT cells than that in WT cells (two-tail student *t*-test, $p < 0.05$).



Supplemental Figure 2 **The H1047R mutation in the p110 α kinase domain of PI3K increases phosphorylation of Akt.** p110 α , p85 α , PTEN and Akt levels in HCT116 cell lines were compared by Immuno-blotting analysis. HCT116 MUT cells show higher phosphorylated Akt levels compared to WT cells.