Figure S9. β-catenin-dependent Wnt signaling is not coupled to mTORC2 activity.  (A) Western blot analysis of DLD-1 cells treated with doxycycline for the indicated times, or of (B) SW480 cells with the Wnt inhibitor XAV939 (10 μM) shows that short-term treatments do not change the level of phosphorylated AKT on residue serine 473.  (C) RT-qPCR analysis was performed on RNA collected from SW480 cells harvested 3h and 24h after the addition of the active site mTOR inhibitor PP242 (250nM). Data in the bar graph represents the average of three independent trials with error bars representing the S.D. among the three biological replicates. Western blot inset of whole cell lysates from SW480 cells shows relative levels of phosphorylated AKT residue serine 473 at matching timepoints. Blocking total cellular mTOR activity has effect on PDK1 mRNA levels, a result that distinguishes the actions of Wnt/β-catenin signaling from short term effects TORC2 (β-catenin-independent Wnt signaling).