

Supplementary figures

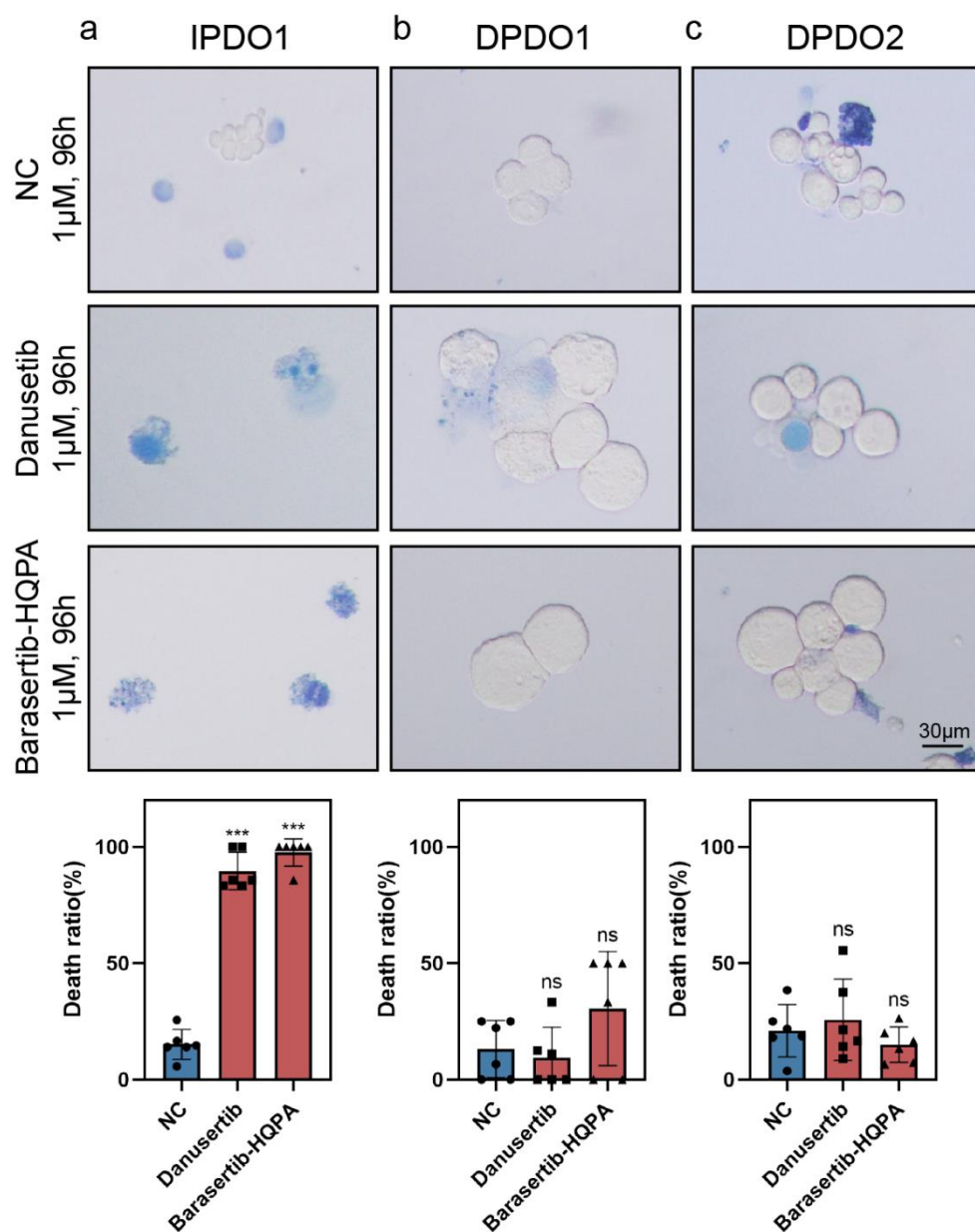


Figure S1. Analysis of cell death ratio for IPDOs and DPDOs upon AURKi treatment by trypan blue staining. (a) The cell death ratio is increased in IPDO1 after AURKi treatment. The death cells are stained blue, and the living cells are smooth and translucent. **(b)** There is no obvious cell death in DPDO1 after AURKi treatment. **(c)** There is no obvious cell death in DPDO2 after AURKi treatment. “*”, compared with NC group. NS. No significance; *** $P < 0.001$.

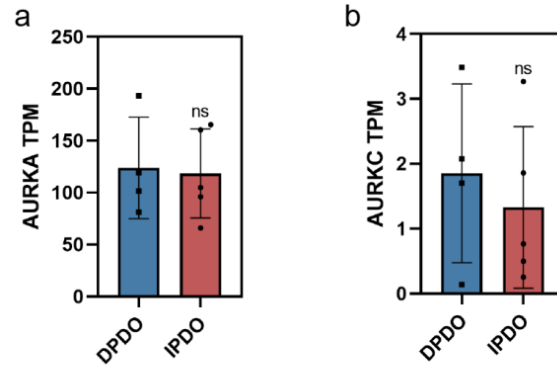


Figure S2. The transcriptomic levels of AURKA and AURKC genes. (a) There is no significant difference of AURKA levels between DPDOs and IPDOs ($^{ns}P = 0.87$). (b) There is no significant difference of AURKC levels between DPDOs and IPDOs ($^{ns}P = 0.57$).

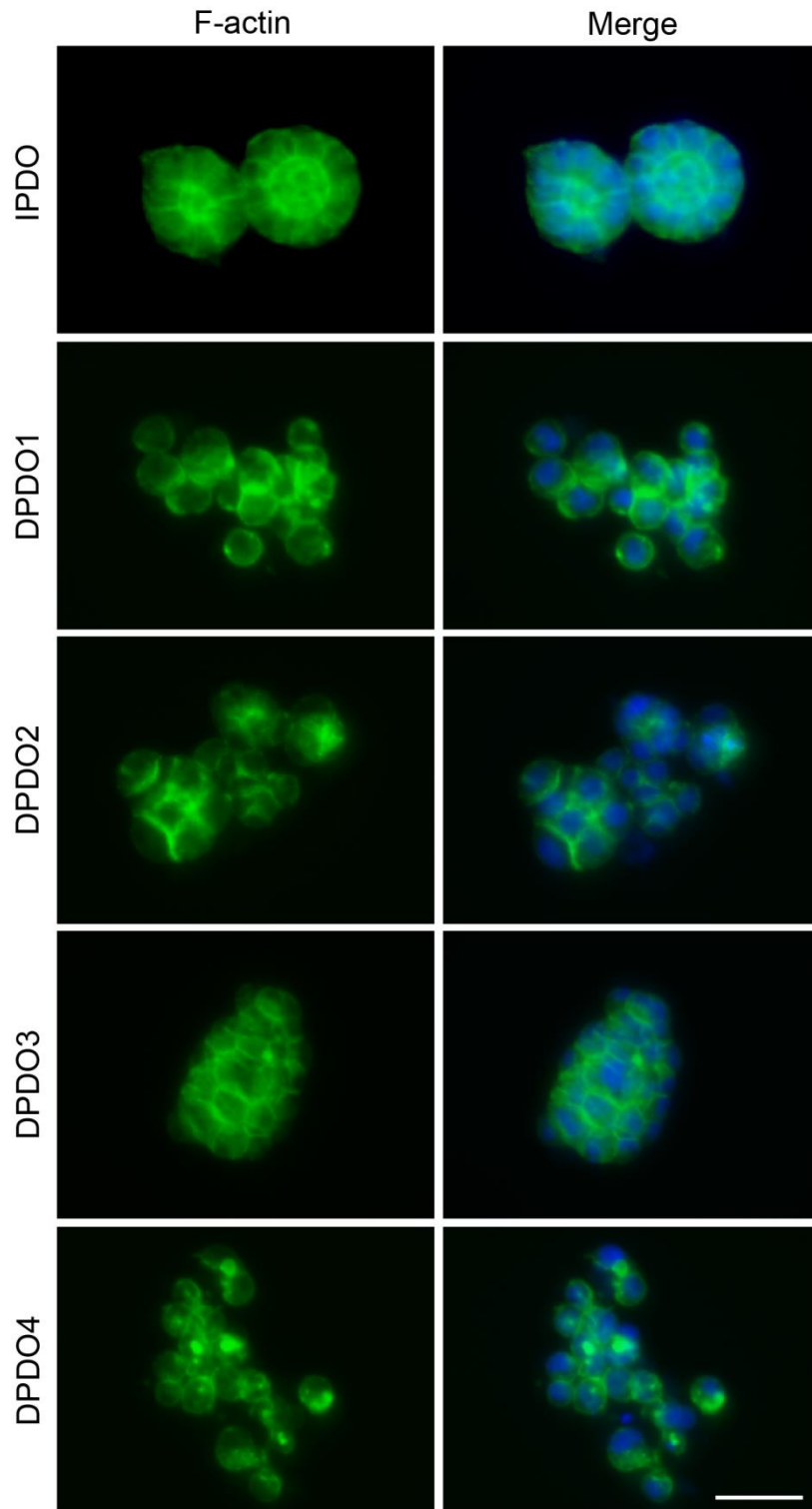


Figure S3. The distribution difference of cytoskeleton F-actin (green) in IPDO and DPDO. The arrangement of F-actin in IPDO shows the top-bottom orientation, while the arrangement of F-actin in DPDOs shows no top-bottom orientation. The nuclei are stained by Hoechst (blue). Scale bar = 50 μm