Figure S1. Kaplan-Meier curves representing the association between patient overall survival and BRD4 expression. Overall survival was analyzed using data from The Cancer Genome Atlas in (A) epithelial ovarian carcinoma and (B) endometrial endometrioid carcinoma using the Kaplan-Meier method. Statistical significance was determined using the log-rank test. BRD4, bromodomain 4.

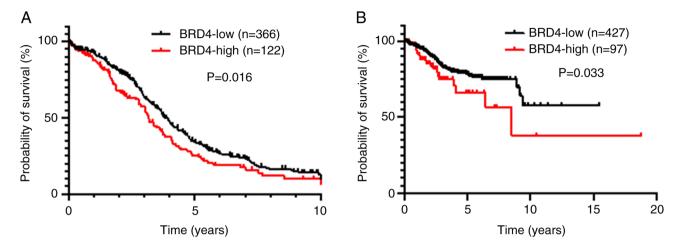


Figure S2. High dose of JQ1 treatment increases the apoptosis OVK18 cells. OVK18 cells were treated with 5 and 10 μ M of JQ1 for 72 h. Cleaved PARP protein levels were increased with 5 and 10 μ M of JQ1, which were not observed with 1 μ M. BRD4, bromodomain 4; PARP, poly ADP ribose polymerase.

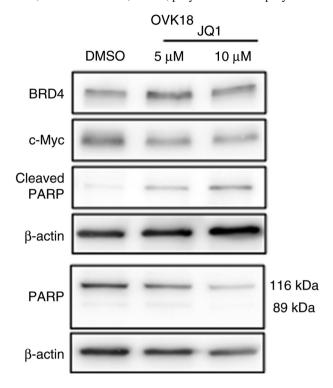


Figure S3. BRD4 knockdown suppresses cell proliferation in ovarian endometrioid carcinoma and endometrial endometrioid carcinoma cell lines. (A) BRD4 knockdown decreased the mRNA expression level of BRD4 in A2780 and HEC50B cells treated with siRNAs for 72 h. (B) BRD4 knockdown for 72 h suppressed cell viability in A2780 and HEC50B cells. (C) BRD4 knockdown for 72 h decreased BRD4 and c-Myc protein levels in A2780 and HEC50B cells. Cleaved PARP protein levels were increased following BRD4 knockdown. ***P<0.001 vs. siNC. BRD4, bromodomain 4; PARP, poly ADP ribose polymerase; si, small interfering; NC, negative control.

