Involvement of the NF-κB signaling pathway in proliferation and invasion inhibited by Zwint-1 deficiency in pancreatic cancer cells

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Supplementary Figure 1. Expression of CCAN, KMN, and RZZ complexes in PC tissues and overall survival based on GEPIA data.

(A) Expression levels of CCAN, KMN, and RZZ complexes in PC tissues ($n = 179$) and normal tissues ($n = 171$), and overall survival (OS) based on the TCGA database. Each dot represents the expression level of an individual sample. OS of patients with low or high expression levels of subunits of CCAN, KMN, and RZZ complexes was analyzed by the Kaplan–Meier method and log-rank tests. *$P < 0.005$. 
Supplementary Figure 2. Clinical characteristics of PC patients in TCGA data.

(A) Sex of patients from the experimental cohort. (B) Categorization of patients by sample type (i.e., primary, metastasis). (C) Categorization of patients by alcohol exposure intensity. (D) Categorization of patients by tumor stage based on the American Joint Committee on Cancer (AJCC). Code of pathological T (primary tumor) to define the size or contiguous extension of the primary tumor (T), using staging criteria from the AJCC. (E) Categorization of patients by metastasis stage from the AJCC. Code to represent the defined absence or presence of distant spread or metastases (M) to locations via vascular channels or lymphatics beyond the regional lymph nodes, using criteria established by the AJCC. (F) Categorization of patients in the experimental cohort by age at diagnosis. (G) Overall survival of patients from the experimental cohort. (H) Mutation count of patients from the experimental cohort. (I) Disease-free survival of patients from the experimental cohort calculated from the time of initial treatment.
Supplementary Figure 3. Cytotoxic effect of temozolomide (TMZ) in Zwint-1-deficient PC cells.

MIA PaCa-2 cells were transfected with control or Zwint-1 siRNA. Cell viability was determined using the MTT assay after treatment with various concentration of TMZ (50–1200 µM) and culture for (A) 24 h and (B) 72 h. Data are presented as means ± SEMs of biological
triplicates. **$P < 0.001$, ***$P < 0.0001$ vs Control group. Results were analyzed by two-way analysis of variance with Bonferroni’s multiple comparison tests. ##$P < 0.001$, ###$P < 0.0001$ vs Zwint-1 siRNA group. Results were analyzed using unpaired $t$-tests.