

Additional file 3

Figure S1. Expression and subcellular location of PVT1 in human GBC cell lines. **(a)** PVT1 expression was significantly higher in GBC cells compared with the human gallbladder epithelium cell line H69. **(b-c)** nucleus and cytoplasm segmentation assay to determine the PVT1 expression in GBC-SD cells and NOZ cells. **(d)** Localization of PVT1 by RNA-FISH in GBC-SD and NOZ cells. Nuclei are stained blue (DAPI) and PVT1 is stained red (magnification, $\times 200$, scale bar, $50 \mu\text{m}$). * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$. Error bars indicate mean \pm SD.

