



**S1 Fig.**

**S1 Fig.** (A) Western blot analysis of epidermal growth factor receptor (EGFR), human epidermal growth factor receptor (HER) 2, HER3, and HER4 proteins in four CCA cell lines and MMNK-1 cells. (B) Immunoreactive bands were quantified by densitometric analysis and normalized using  $\alpha$ -tubulin. Expression values of EGFR, HER2, HER3, and HER4 proteins in 4 CCA cell lines are expressed relative to in MMNK-1 cells (mean $\pm$ SEM) from three independent experiments. \* $p < 0.05$ , compared with MMNK-1. (C) Differential expression of EGFR, HER2, HER3, and HER4 transcripts in four Thai CCA cell lines relative to MMNK-1 by real-time quantitative reverse transcription polymerase chain reaction (qRT-PCR). (D) mRNA transcripts of EGFR, HER2, HER3, and HER4 in immortalized normal cholangiocyte (MMNK-1) by qRT-PCR.