



**Supplemental Figure S1** Sphere induction from HCC cell lines. *A* and *B*, HLE cells cultivated in the sphere induction medium for 4 days. There was floating sphere cells and adherent cells. Dissociated SK-sphere and HLE-sphere cells were re-cultivated in the induction medium for 7 days (*C* and *D*, photographs of passage 3) and normal medium containing FBS (*E* and *F*). Hep 3B (*G*) and HuH-7 (*H*) cells in the same sphere induction medium, but there was no spheroids nor floating cells.