



**S5 Fig.** The vesicular trafficking markers in hepatocellular carcinoma (HCC) tissue and cells. (A) Representative images of immunohistochemistry staining for LC3 $\beta$ , Rab7, and Lamp1 in HCC patient specimens that have both carcinoma tissue and peri-carcinoma tissue. Pictures were taken at the same location. (B) Immunofluorescence staining of LC3 $\beta$  (red), Rab7 (red) and Lamp1 (green) in L-02, HepG2, SMMC-7721, and MHCC97-H cells. Arrows indicated the juxtannuclear lysosome aggregation.