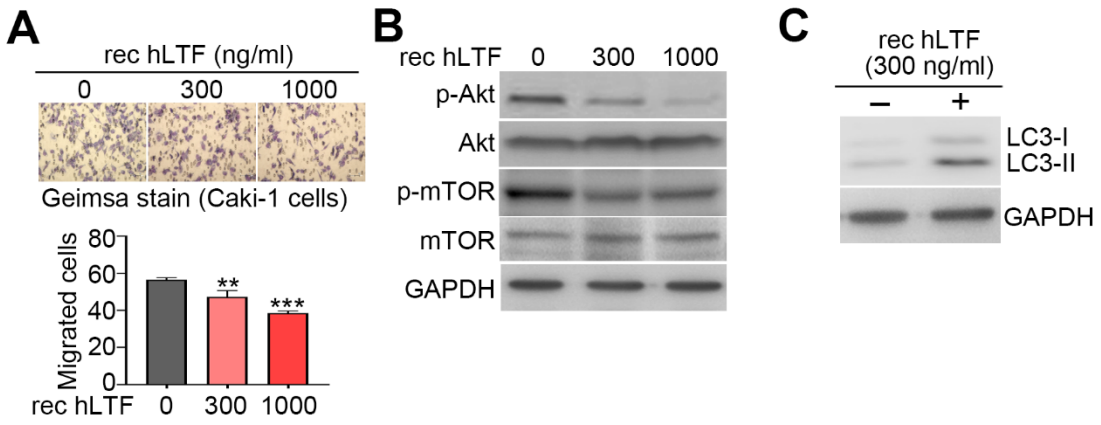

Figure S1. LTF addition suppresses the cellular migration ability of Caki-1 cells via inhibiting the activity pf Akt/mTOR pathway and enhancing the autophagy formation. (A) Giemsa staining for the migrated cells (Top) and histogram for the migrated cell number from three independent experiments (bottom) in the 3-hour transwell assay for Caki-1 cells in the presence of the designated recombinant human LTF (rec hLTF) protein. Kruskal Wallis test was use to estimate the statistical significance of three independent experiments The symbol "**" and "***" denote the statistical significance at $p < 0.01$ and $p < 0.001$, respectively. (B) Western blot analysis for the protein levels of p-Akt, Akt, p-mTOR, mTOR and GAPDH in Caki-1 cells treated with the indicated rec hLTF concentrations for 2 hours. (C) Western blot analyses for LC3I/II and GAPDH proteins in whole cell lysates derived from the Caki-1 cells treated without or with rec hLTF at 300 ng/ml for 8 hours. In B and C, GAPDH was used as an internal control of protein loading.

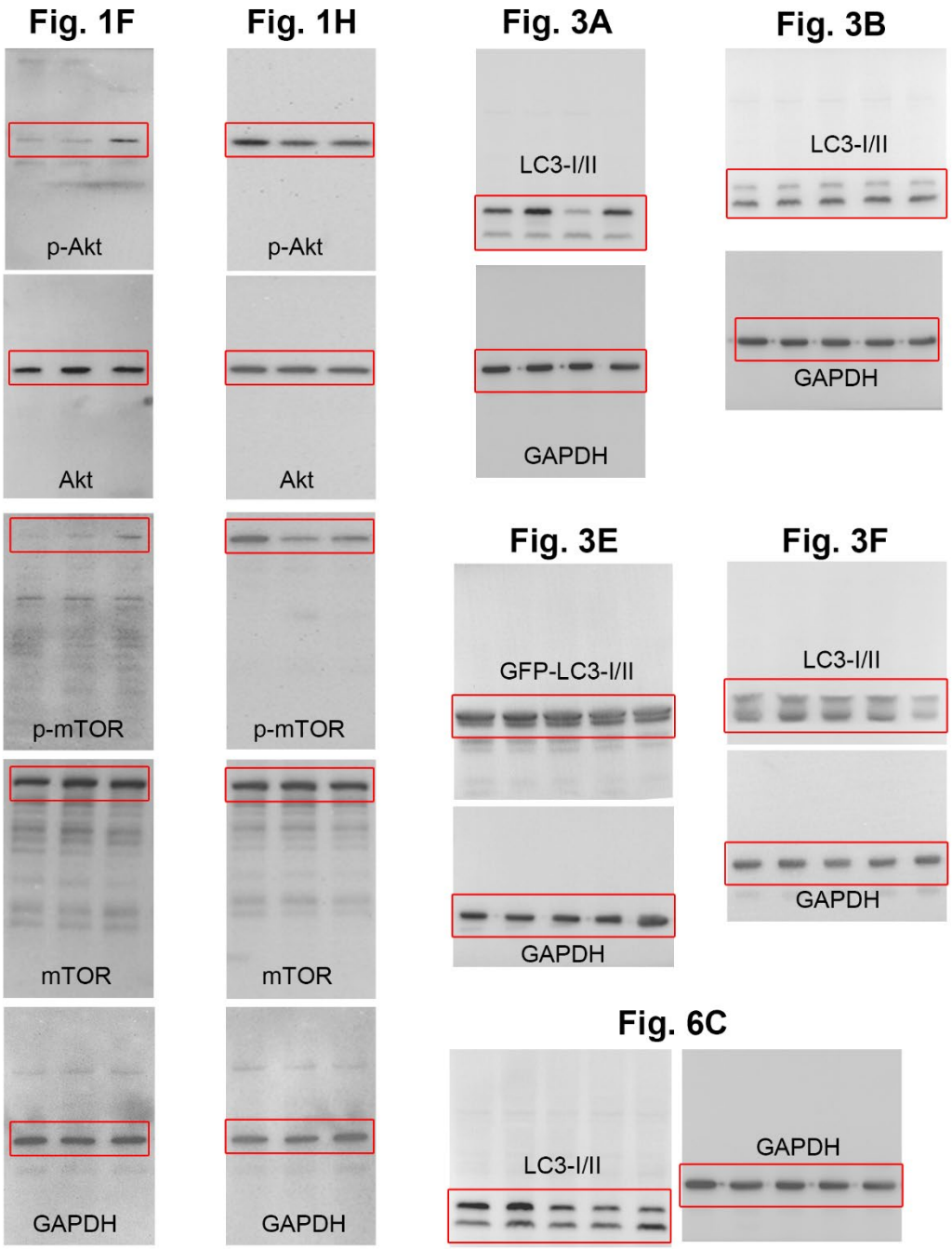

Figure S2. Uncut blots for Figure 1F, 1H, 3A, 3B, 3E, 3F and 6C.

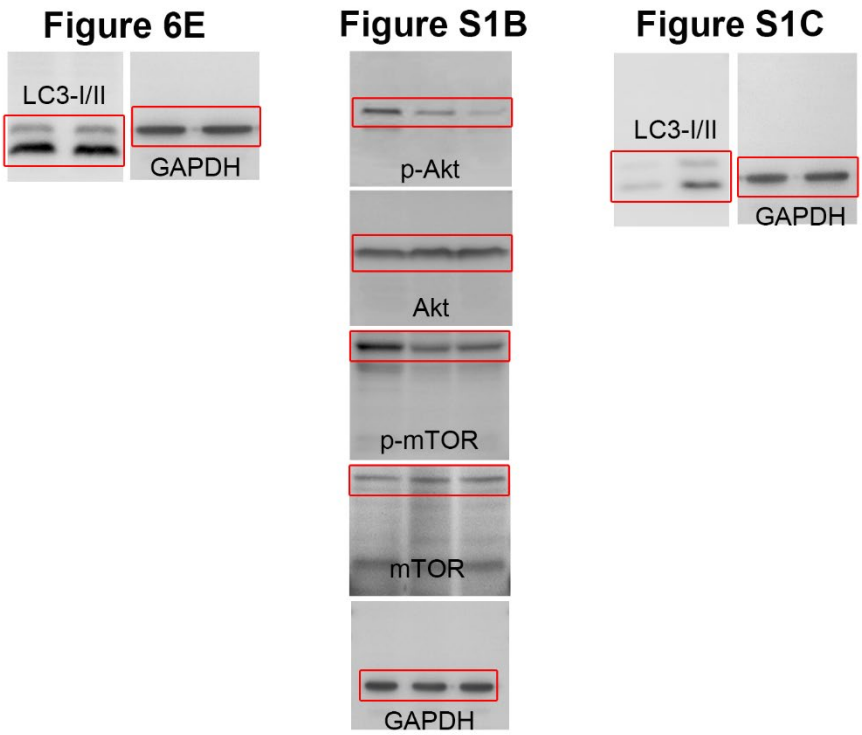

Figure S3. Uncut blots for Figure 6E, S1B and S1C.