Figure S1. Screening of tumor cell lines tested in the LINCS that are most similar to ESCC at the transcriptome level. (A) Pearson correlation coefficients among ESCC cell lines that are available in CCLE. (B) Line plot showing the ordered Pearson correlation coefficients calculated between the representative profile of ESCC and no-ESCC cell lines in LINCS. The crossing point between red lines represents the inflection point of the curve. (C) Venn plot showing the six cell lines that have small-molecule perturbation data in LINCS and that are similar to ESCC cells in CCLE database. (D) Histogram showing the number of experiments available for each cell line in LINCS dataset. LINCS, Library of Integrated Network-based Cellular Signatures; ESCC, esophageal squamous cell carcinoma; LINCS, Library of Integrated Network-based Cellular Signatures; CCLE, Cancer Cell Line Encyclopedia; PCC, Pearson correlation coefficient.

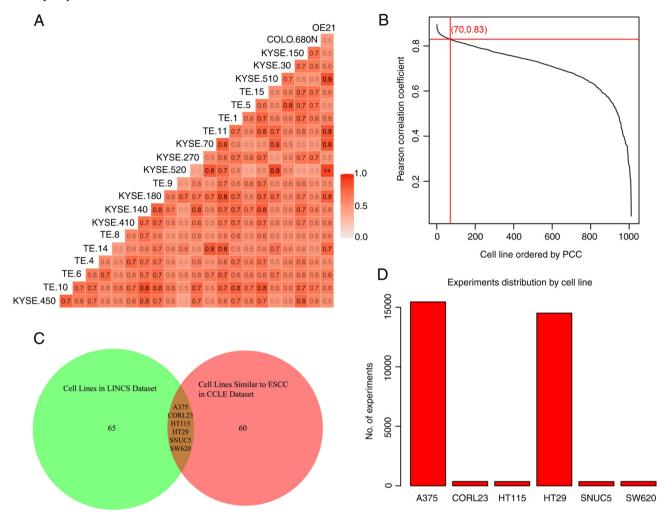


Figure S2. Effects of TPCA-1, a potent inhibitor of IKK β protein, on the growth of KYSE-450 or Het-1A cells. *P<0.05, ***P<0.001; ns, no significance. TPCA-1, 2-[(aminocarbonyl) amino]-5-(4-fluorophenyl)-3-thiophenecarboxamide; OD490, optical density at 490 nm.

