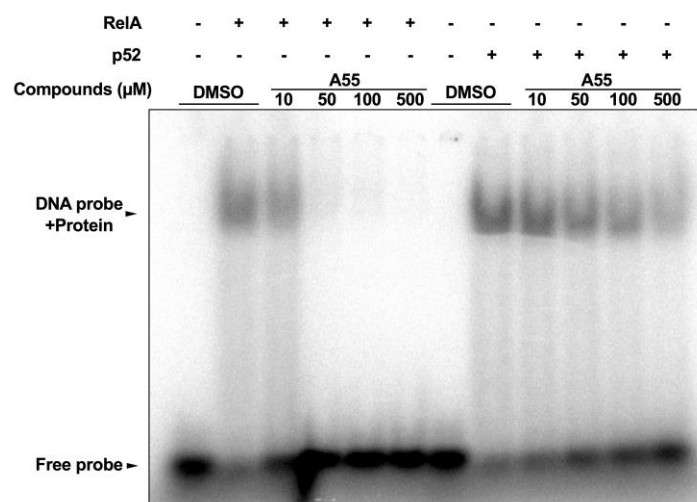
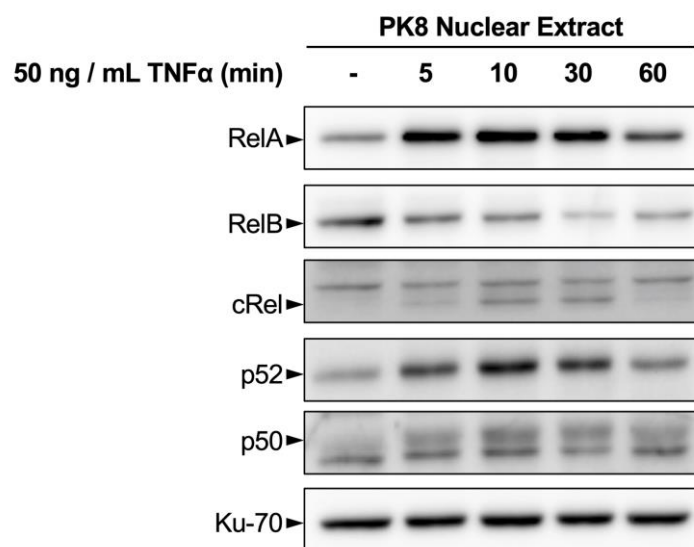


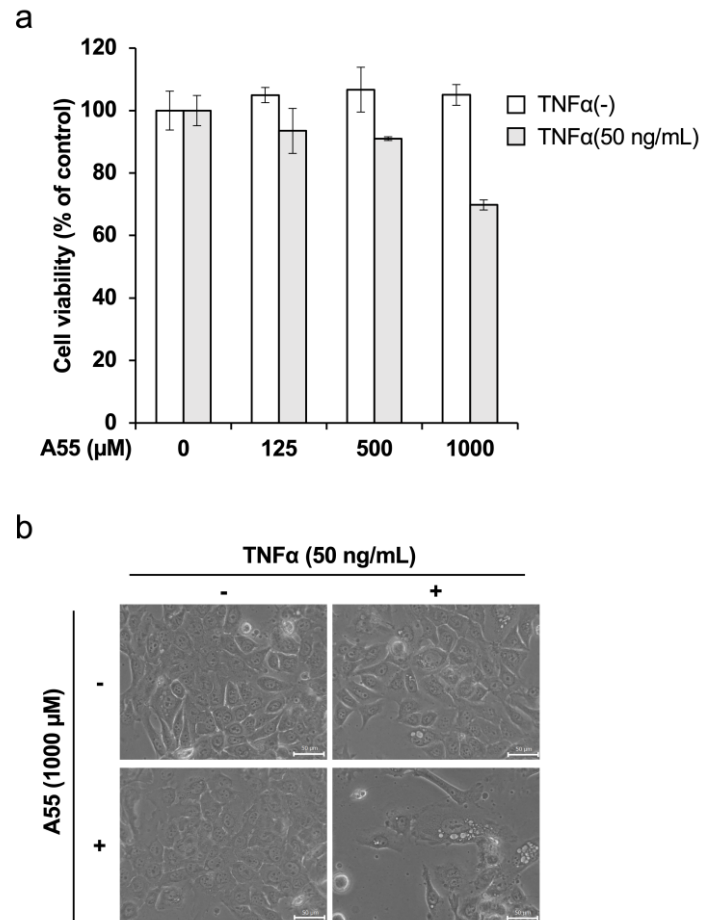
Supplemental Figure S1. Identification of putative small molecule binding pockets on the surface of NF- κ B p55 (RelA) homodimer. Colored spheres shown in (A) represent site points belonging to a particular pocket. Red, yellow, blue, magenta, and orange represent the top 5 binding pockets, respectively, with Sitescore values in decreasing order. (B) and (C) show the close-up of binding pocket 1 (red) and 3 (blue), respectively. DNA molecule is also shown in the figure.



Supplemental Figure S2. EMSA with recombinant RelA or p52 were conducted using radiolabeled probes containing the NF- κ B binding site.



Supplemental Figure S3. NF- κ B proteins of PK8 nuclear extract. PK8 cells were treated with TNF α (50 ng/mL) for 5 – 60 min; nuclear protein was then extracted. Ku-70 was used as loading control. EMSA was performed using PK8 nuclear extract of TNF α 10 min treatment.



Supplemental Figure S4. Cell viability assay for PK8 cells treated with TNF α (50 ng/ mL) for 48 hr in the presence or absence of A55. (a): Cell viability was measured using Presto blue assay. TNF α (-) in the absence of A55 was used as a control. Error bars represent SD (n = 3) (b): Cell morphology.