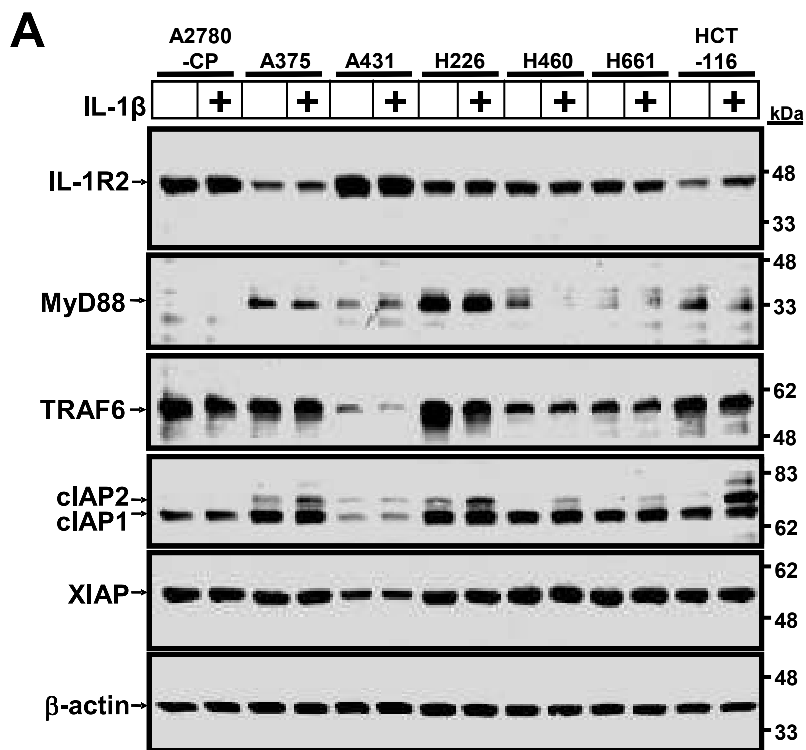
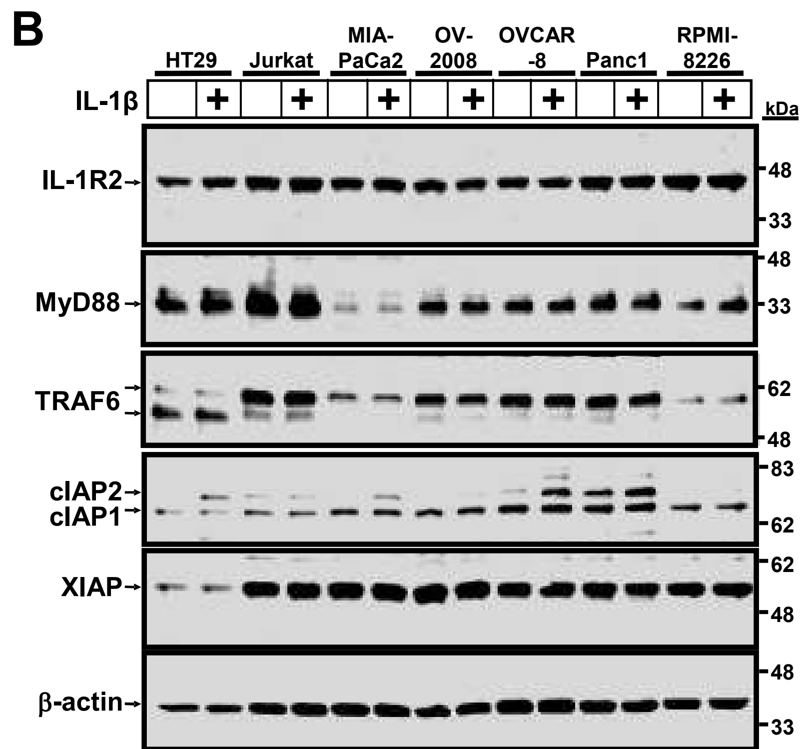
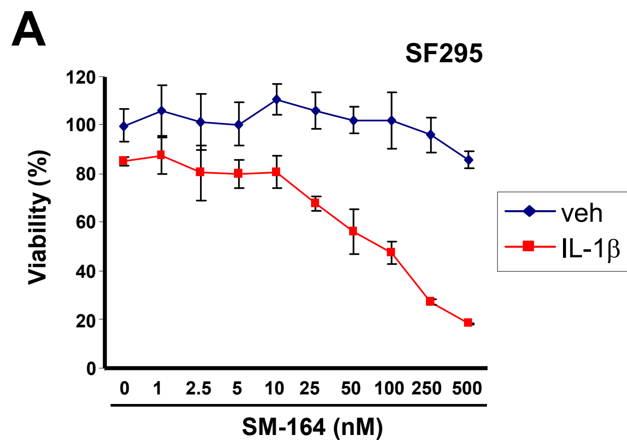
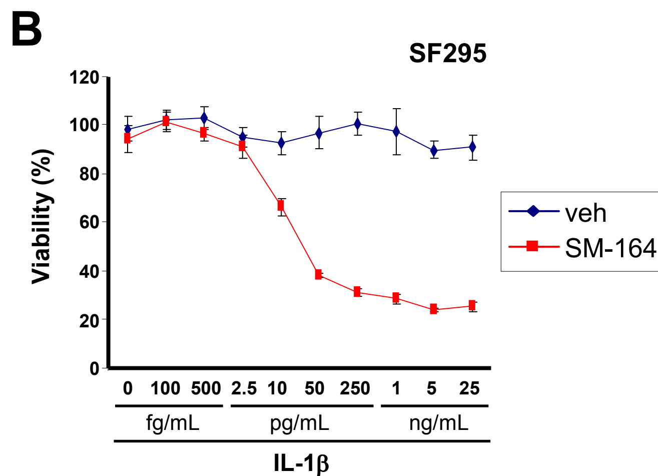
Supplemental Figure 1

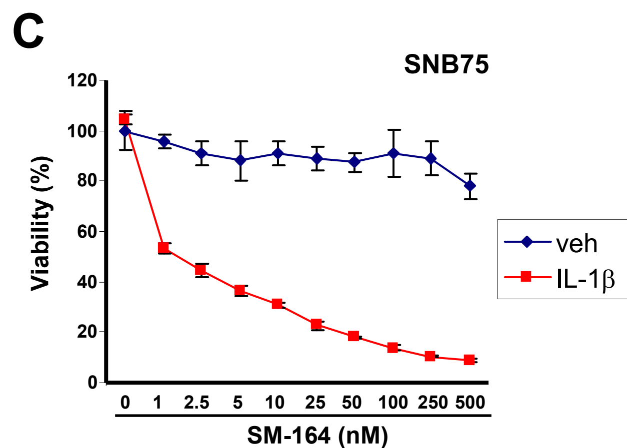


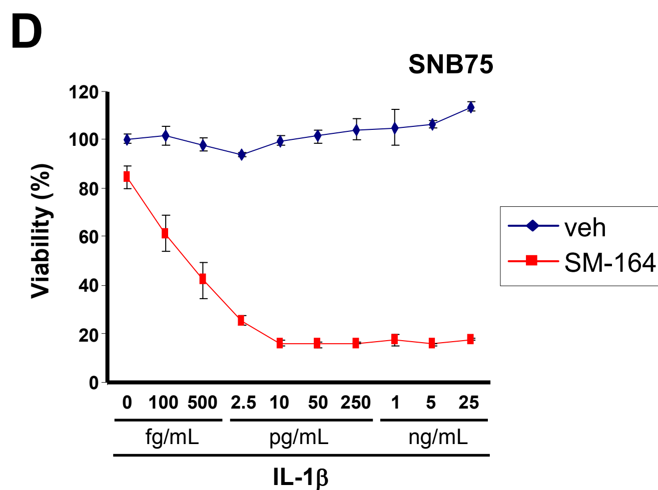


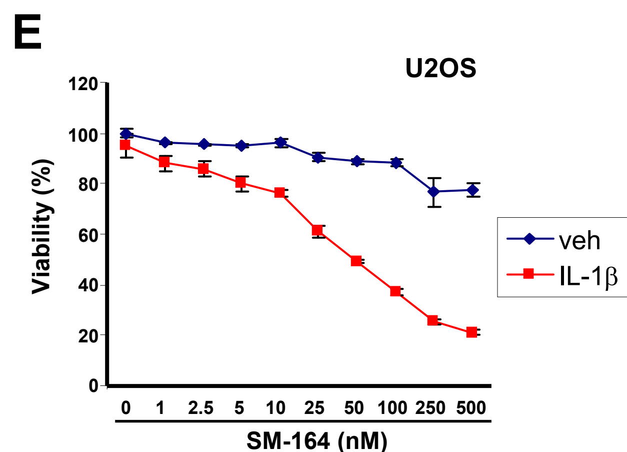
Supplemental Figure 2

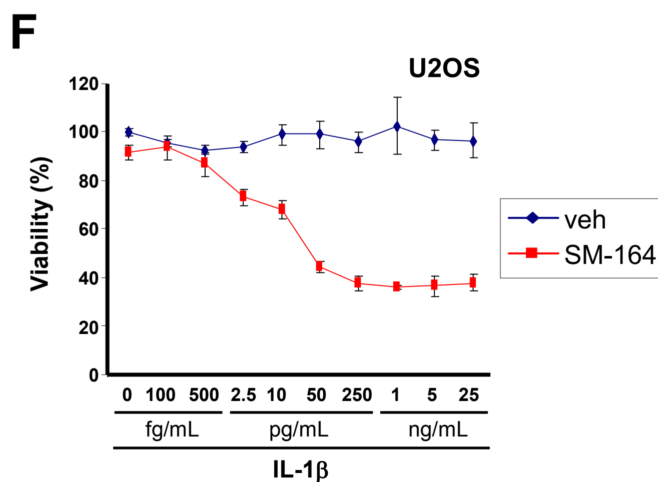




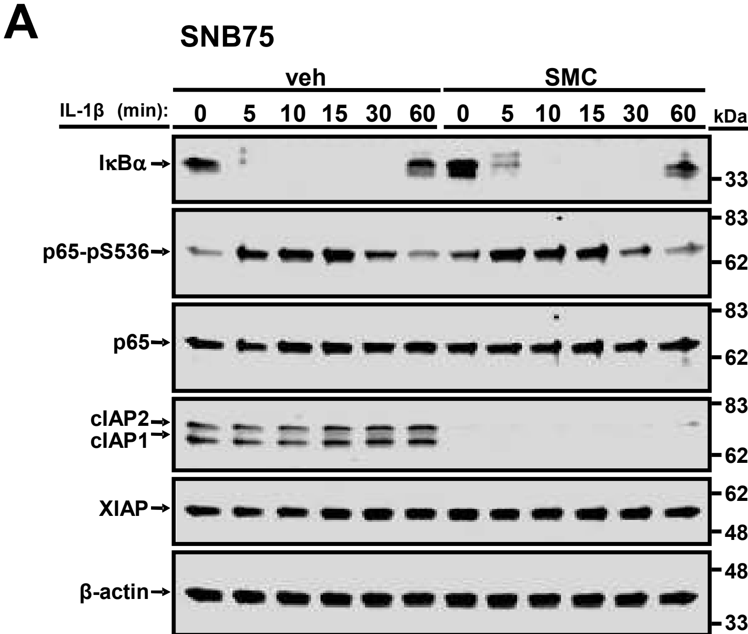


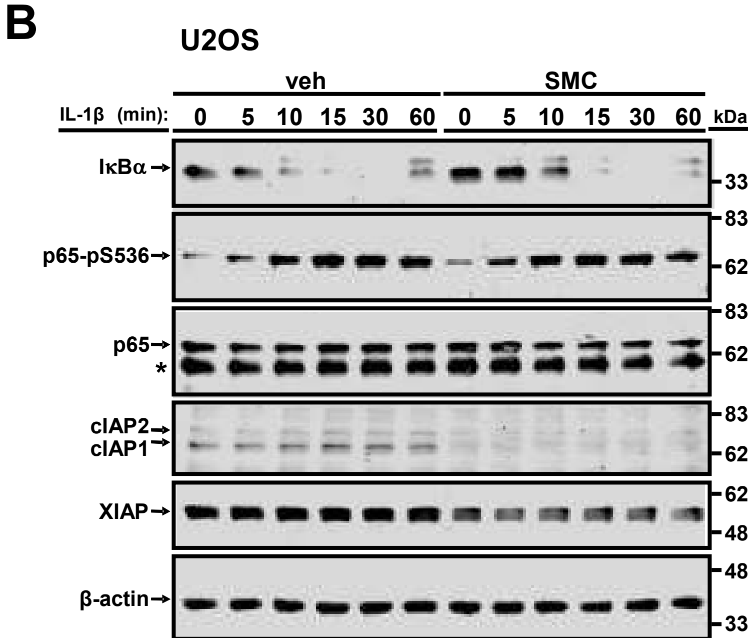




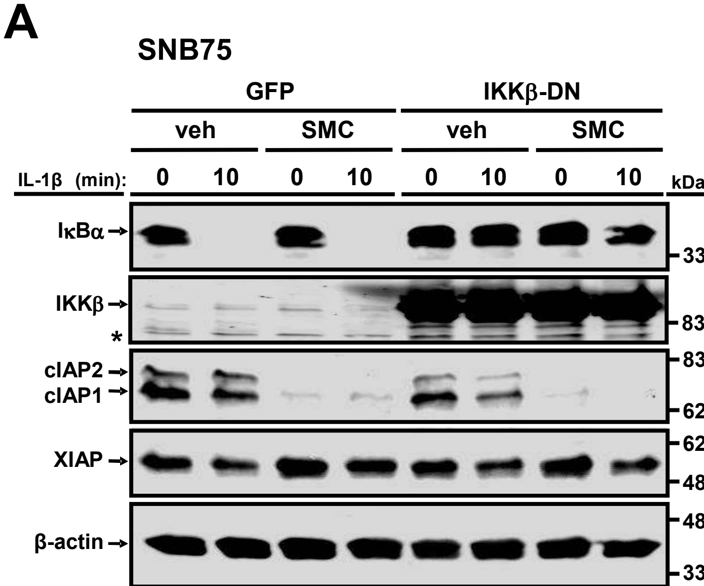


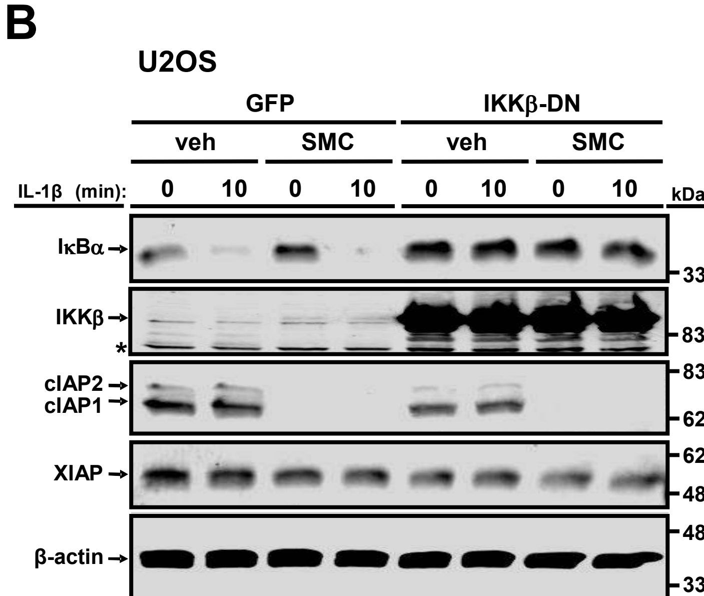
Supplemental Figure 3



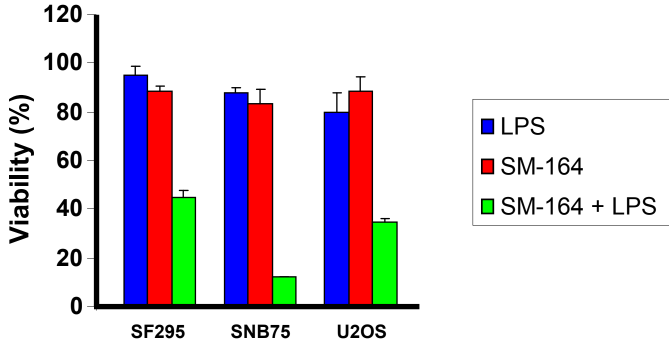


Supplemental Figure 4





Supplemental Figure 5



SUPPLEMENTAL FIGURE LEGENDS

Supplemental Fig. 1. Expression of IL-1R2 in cancer cell lines. (A,B) Cancer cell lines from the panel were treated with 1ng/mL IL-1β for 24h. Proteins were isolated and Western immunoblotted with antibodies recognizing IL-1R2, cIAP1, cIAP2 and XIAP. β-actin was used as a loading control.

Supplemental Fig. 2. Dosage response of cancer cell lines to SM-164 and IL-1β treatment. (A) SF295, (C) SNB75 and (E) U2OS cells were treated with 1ng/mL IL-1β in the presence of varying concentrations of SM-164 for 48h. (B) SF295, (D) SNB75 and (F) U2OS cells were treated with 100n SM-164 in the presence of varying concentrations IL-1β of for 48h. Cell viability was determined by Alamar Blue. The percentage viability relative to vehicle +/- SD (n = 4) was plotted.

Supplemental Fig. 3. SMC treatment does not impair IL-1β-mediated activation of the NF-κB pathway. (A) SNB75 and (B) U2OS cells were treated with vehicle (veh) or 100nM SM-164 (SMC) for 2h, then treated with 1ng/mL IL-1β for the indicated times, and protein extracts were immunoblotted for IκBα, p65-pS536, p65, cIAP1, cIAP2 and XIAP. β-actin was used as a loading control. Asterisk denotes a non-specific band.

Supplemental Fig. 4. Expression of dominant negative IKKβ blocks IL-1β-mediated activation of the NF-κB pathway. (A) SNB75 and (B) U2OS cells were transduced with adenoviral vectors expressing GFP or co-expressing GFP and a dominant negative form of IKKβ (IKKβ-DN) at an MOI of 100 (SNB75) or 50 (U2OS) for 24h. Cells were

treated with vehicle (veh) or 100nM SM-164 (SMC) for 2h, and then treated with 1ng/mL IL-1β for 10min. Cells were harvested and the protein expression levels of IκBα, IKKβ, cIAP1, cIAP2 and XIAP were analysed by Western immunoblotting. β-actin was used as a loading control. Asterisk denotes a non-specific band.

Supplemental Fig. 5. LPS synergizes with SM-164 to induce cancer cell death. SF295, SNB75 and U2OS cells were treated with combinations of 1μg/mL LPS and 100nM SM-164 for 48h. Cell viability was measured with Alamar Blue. Percentage viability relative to vehicle +/- SD (n = 4) was plotted.