**Supporting information**

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**Figure S1.** Inhibition of cell viability by treatment with sulforaphane in ovarian cancer cells using a colony formation assay. OVCAR3, OVCAR4, OVCAR5, and SKOV3 cells were cultured in 6-well plates overnight and treated with 0 to 25 μM sulforaphane for 14 days. Cell viability was assessed using a colony formation assay. (A) The total number of colonies formed was counted. Values are mean ± SE, n=3. (B) Images shown are representative of colonies of OVCAR3 cells formed in the presence of different concentrations of sulforaphane.

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**Figure S2.** Effect of sulforaphane on thioredoxin reductase activity. Thioredoxin reductase activity was measured 24 hr after treatment of OVCAR3 and SKOV3 cells with 5 and 10 μM sulforaphane. Values are mean ± SE, n=3. Asterisk (\*) represents significant difference (p < 0.05) in activity compared to untreated control.