



FIGURE S1. Effect of PD98059 inhibitor on ATRA-induced Akt activation. A549 cells were serum-starved for 18 h, treated or non-treated (NT) with 5 μ M of ATRA for 15 minutes. Cells were preincubated for 90 minutes with 25 μ M of PD98059 alone or in combination with ATRA. The phosphorylated form of Akt and total proteins were detected by western blot using specific antibodies. β -Actin was used as the loading control. The graph represents the densitometric values of Akt phosphorylation in three independent experiments (means \pm SEM, * p < 0.05; ** p < 0.001 compared with NT cells, analysis of variance and Newman-Keuls test).