Supplementary Figure 1

Effects of Erk inhibition on NGF-induced changes of PC12 cells. NGF (100 ng/ml) was treated to PC12 cells with a: control; b: PD98059 (PD, 30 µM); c: U0126 (U, 10 µM) for 48 hrs. A: protein levels were measured by Western blotting. B: The neurite initiation was measured as described in Materials and Methods (n=3). C: Cell proliferation was evaluated by the MTT assay as described in Materials and Methods (n=4). Control value was adjusted as 100%. D: PC12 cells were stained by propidium iodide and G1 phase distribution in cell cycle was analyzed by flow cytometry as described in Materials and Methods (n=4). *, **: p<0.05, p<0.01 versus the NGF group.