



Supplemental Fig. 1. The MEK/ERK signal pathway contribution to PMA-stimulated 5HT regulation in RBL-2H3 cells. Cells were treated with the MEK inhibitor, PD98059 (5 μM), for 30 min followed by PMA stimulation for 10 h. The relative intracellular 5HT (A), extracellular 5HT (B), and total 5HT (C) levels are shown. The PD98059 effect on TPH-1 mRNA expression in PMA-stimulated cells for 10 h is shown (D). Cells were treated with PD98059 for 30 min and then stimulated by PMA for 10 h. After the PD98059 treatment and PMA stimulation, TPH-1 protein levels were analyzed (E). The black triangle indicates the TPH-1 band.