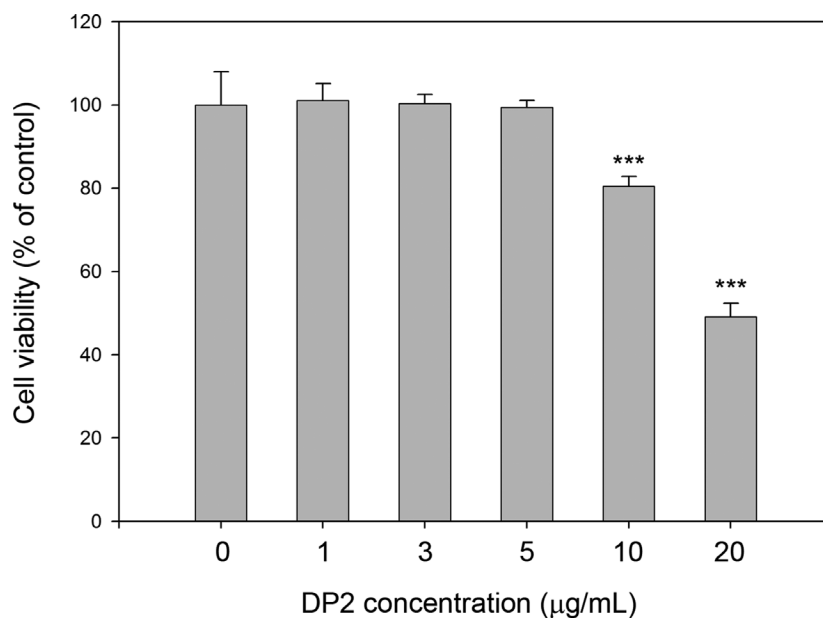
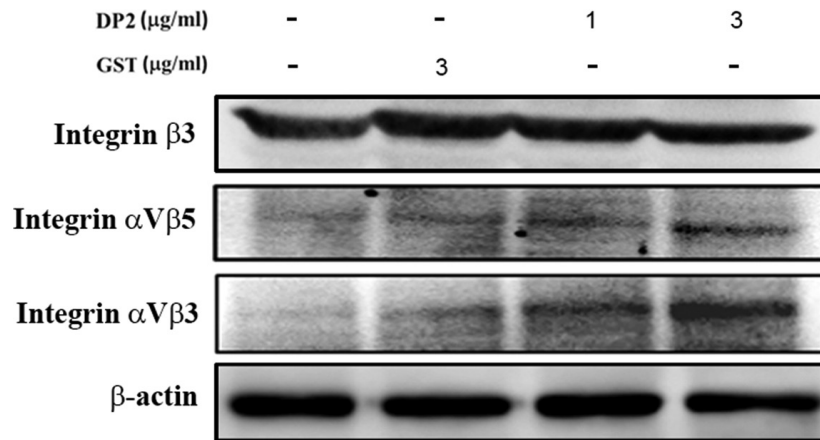


Aeroallergen Der p 2 promotes motility of human non-small cell lung cancer cells via toll-like receptor-mediated up-regulation of urokinase-type plasminogen activator and integrin/focal adhesion kinase signaling

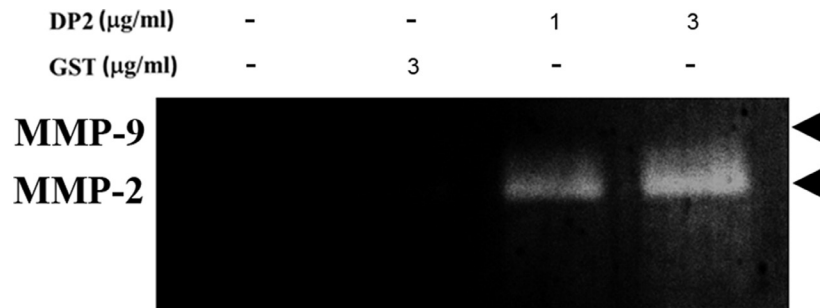
Supplementary Materials



Supplementary Figure 1: Effects of DP2 on cell viability of NSCLC A549 cell. Cells at the density of 10^5 per mL were treated with a serial concentrations of DP2 as indicated for 24 hours. After the treatments, cell viability was assessed by using MTT assay and presented as percentage of control. *** $P < 0.005$ as compared to control.



Supplementary Figure 2: Effects of DP2 on expression level of integrin isoforms in NSCLC A549 cell. Cells at the density of 5×10^5 per mL were treated with 3 mg/mL GST, or 1 or 3 mg/mL DP2 for 24 hours. After the treatments, the cells were collected and lysed for immunodetection of integrin isoforms ($\beta 3$, $\alpha V\beta 5$, $\alpha V\beta 3$) by using specific antibodies. Signal of β -actin was used as internal control.



Supplementary Figure 3: Effects of DP2 on enzymatic activity of MMP-2 and MMP-9 secreted by NSCLC A549 cell. Cells at the density of 5×10^5 per mL were treated with 3 μg/mL GST, or 1 or 3 μg/mL DP2 for 24 hours. After the treatments, the cultured medium were collected for MMP proteolytic activity by using zymography. MMP-2 and MMP-9 were indicated.