

**LKB1/p53/TIGAR/autophagy-dependent VEGF expression contributes to
PM2.5-induced pulmonary inflammatory responses**

Huan Xu^{1, 2}, Xiuduan Xu^{1, 2, #}, Hongli Wang^{1, 3}, Aodeng Qimuge^{1, 4}, Shasha Liu^{1, 5},
Yuanlian Chen^{1, 6}, Chongchong Zhang^{1, 3}, Meiru Hu¹, Lun Song^{*, 1, 2}

Supplementary information

Figure 1A Beas-2B - pm2.5 - Dose

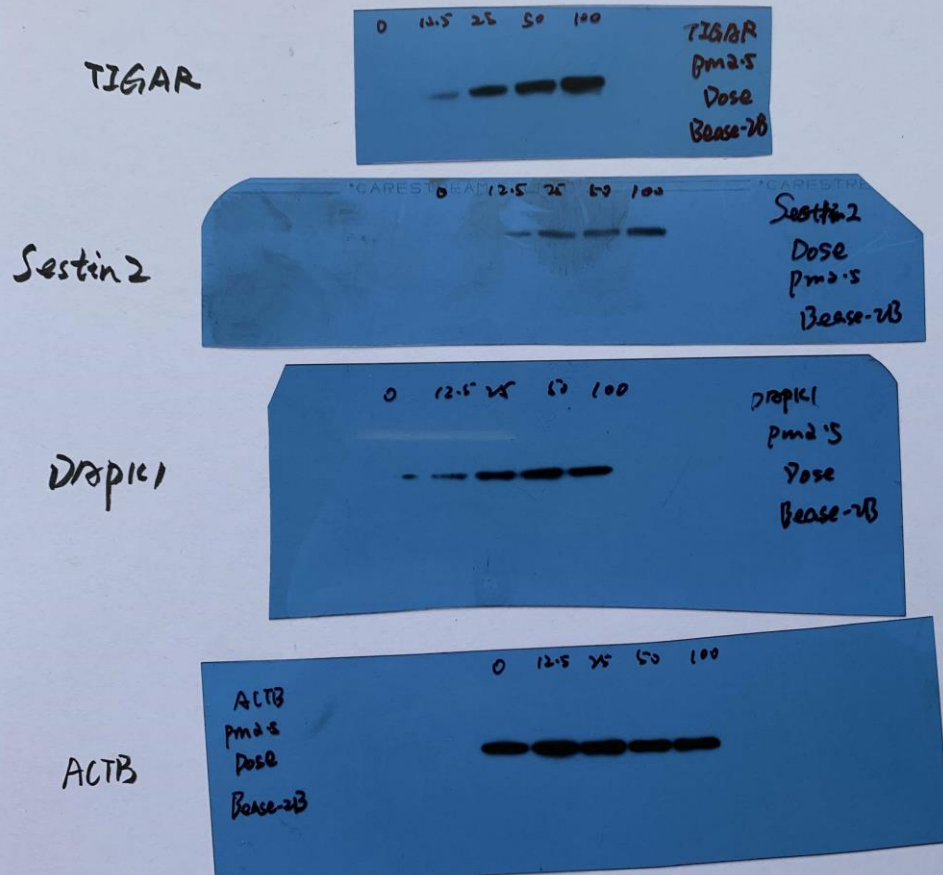


Figure 1B

Bease-2B - pm2.5 - hrs

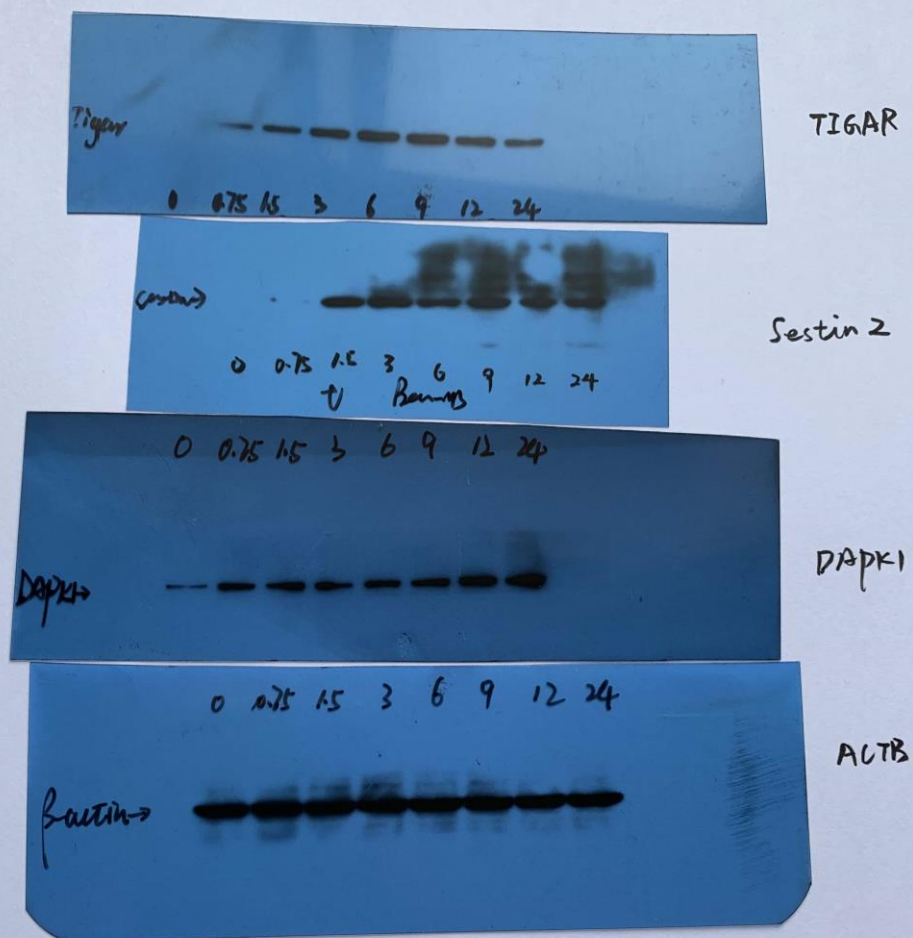


Figure 1E Bease-2B - p53 siRNA - pm2-5

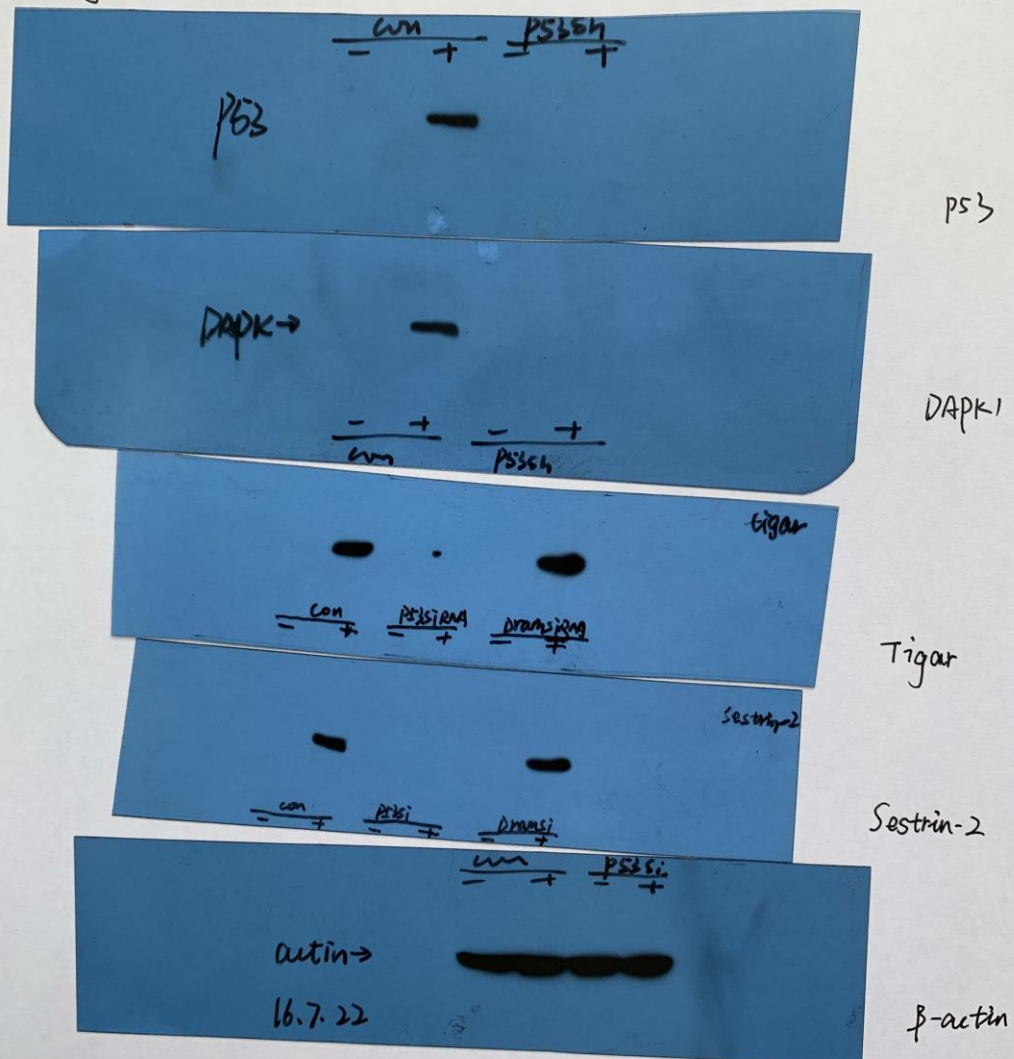


Figure 2A

Bease-2B - Sestrin2 siRNA - pm2.5

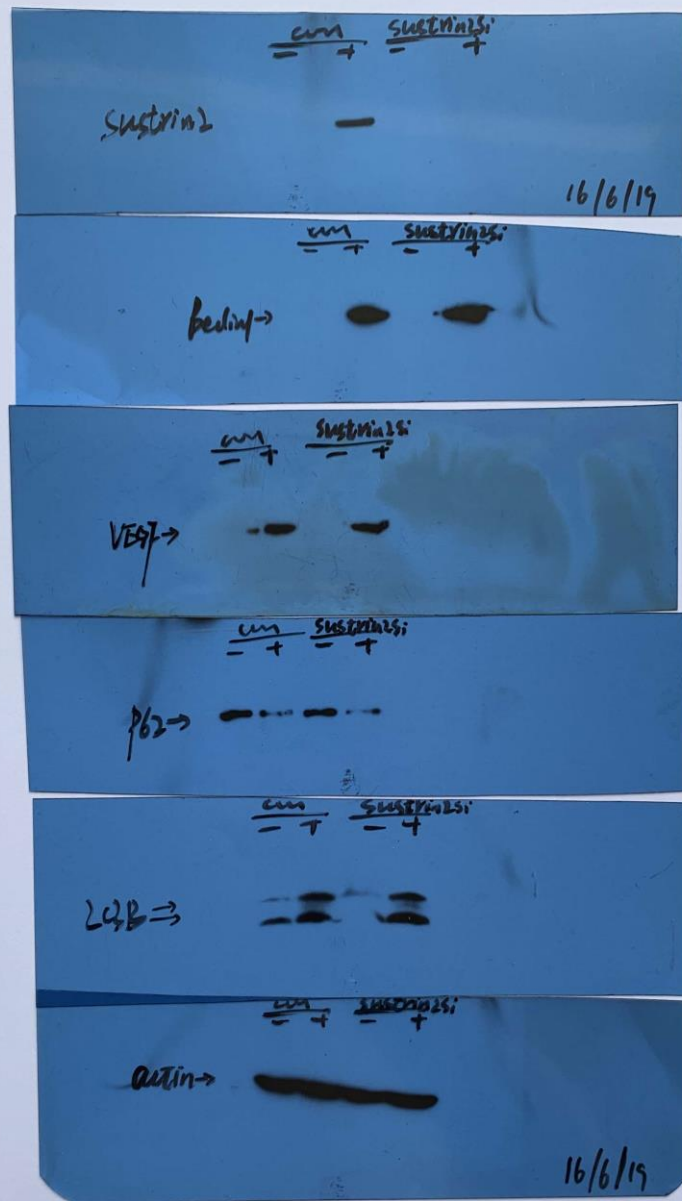


Figure 2B

Bease-2B - DAPK1 siRNA - pm2.5

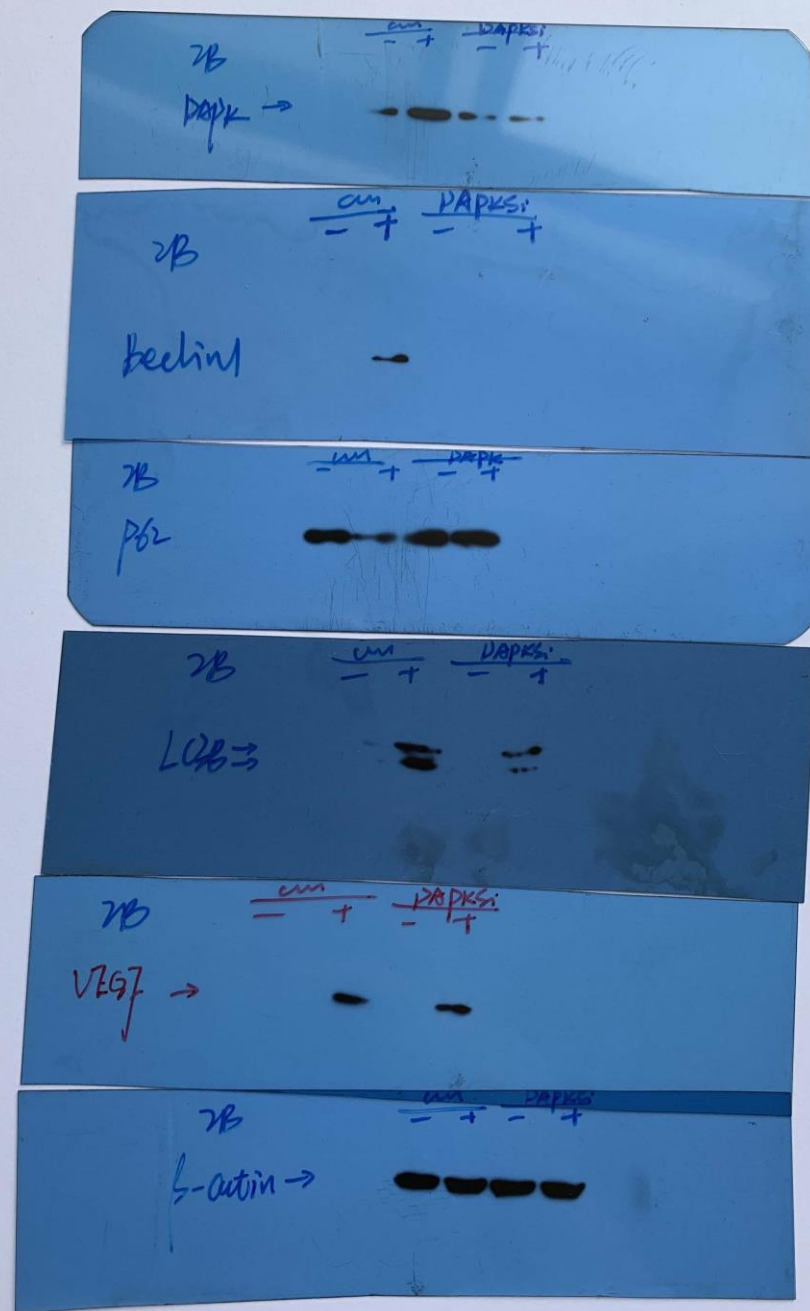


Figure 2C Bease-2B - TIGRAsiRNA - pm2.5

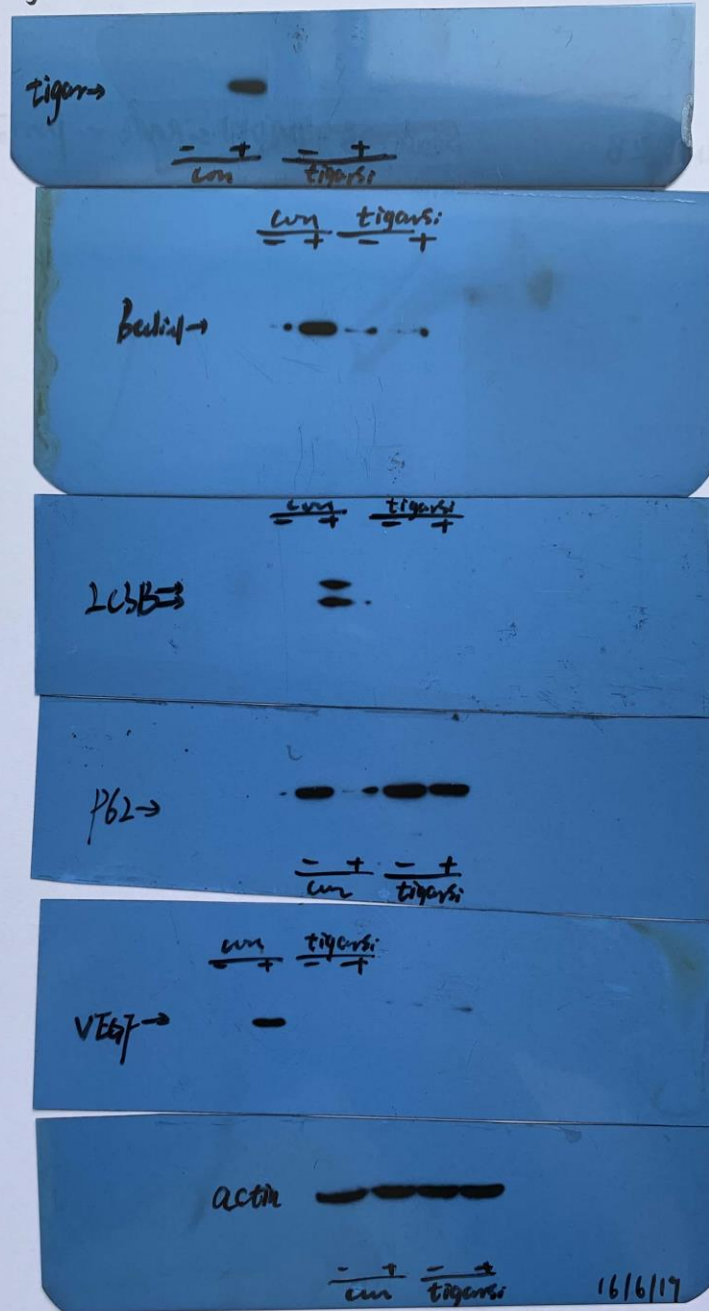


Figure 2H Bease-2B - TIGRAsiRNA - pm2.5

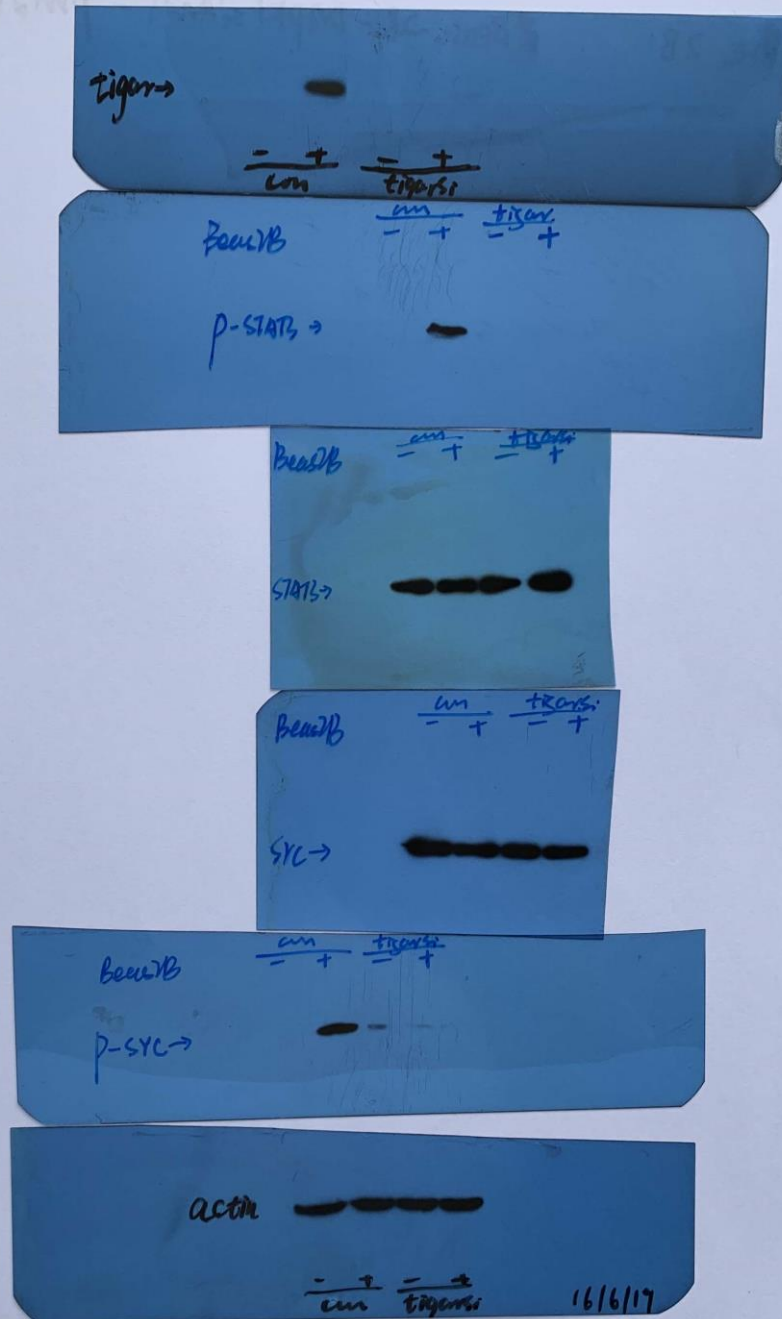


Figure 3A Bease-2B-CHK1siRNA - pm2.5

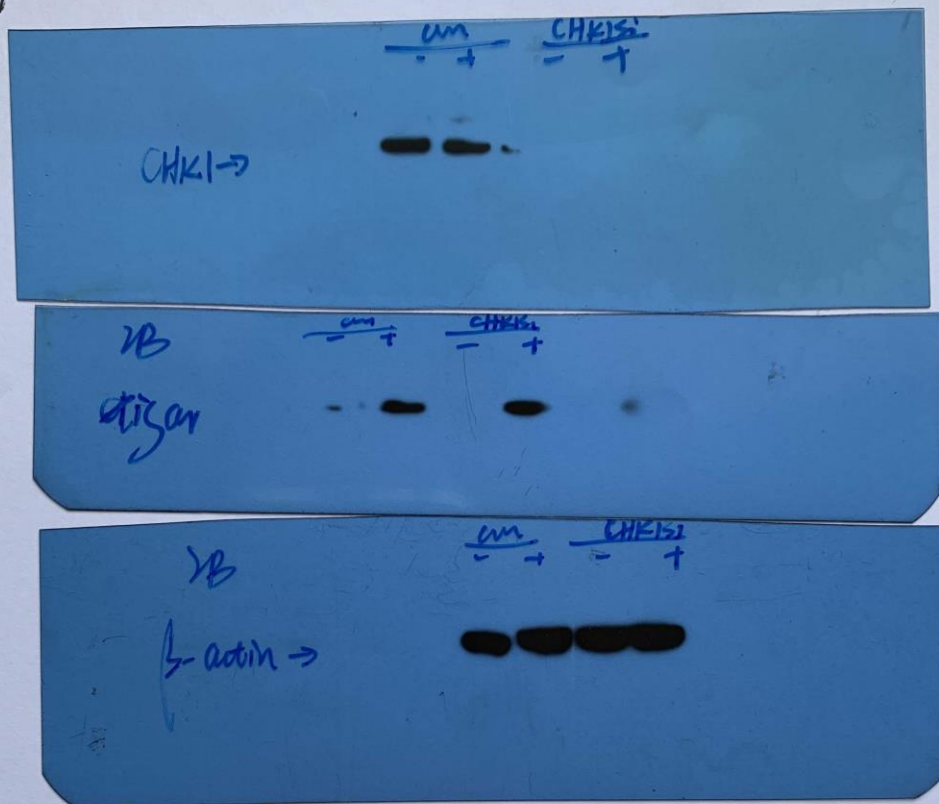


Figure 3B Bease-2B - ATR siRNA - pmd 3

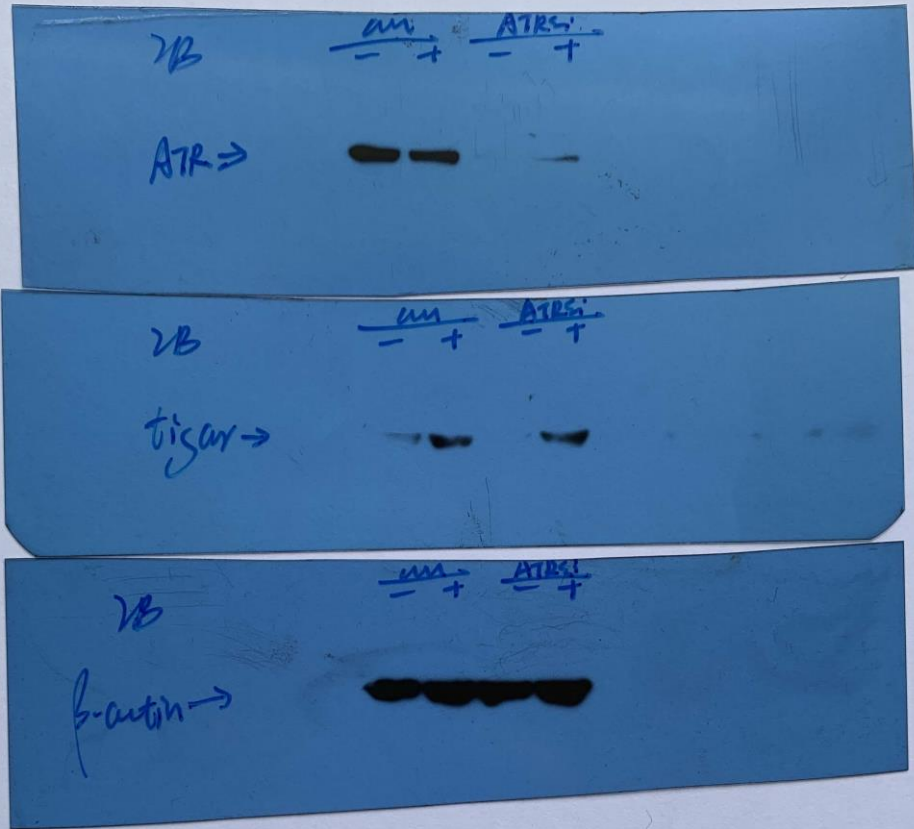


Figure 3C Bease-2B-pmd-5-Dose

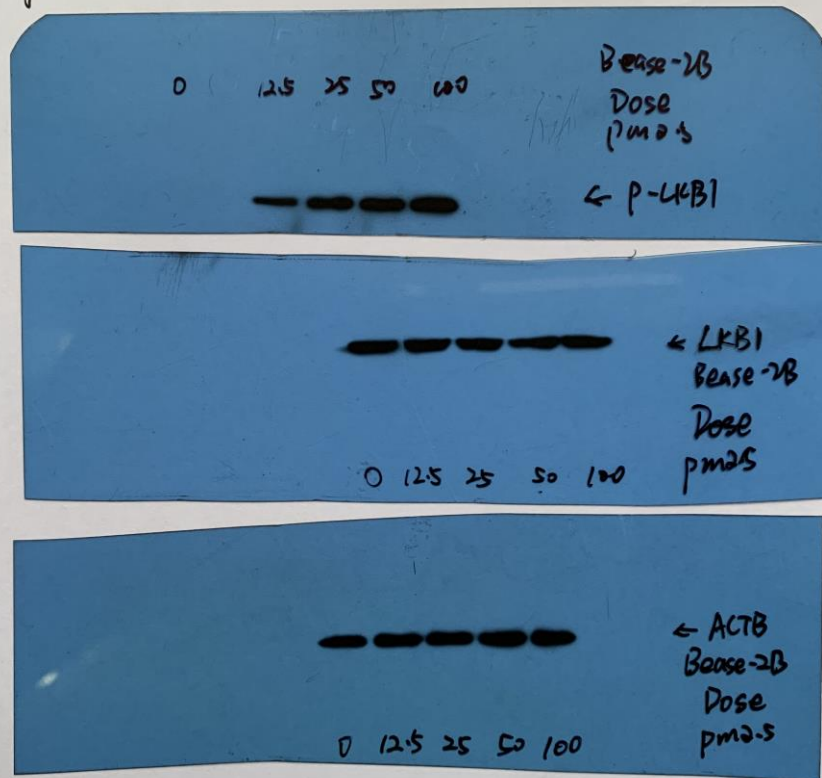


Figure 3D Bease-2B - pm2.5 - hrs

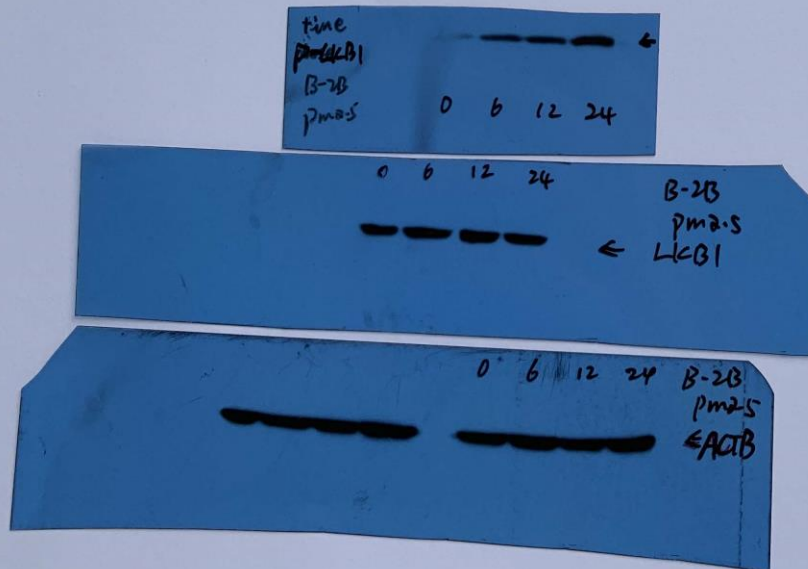


Figure 3E Bease-2B-LKB1siRNA-pma-S

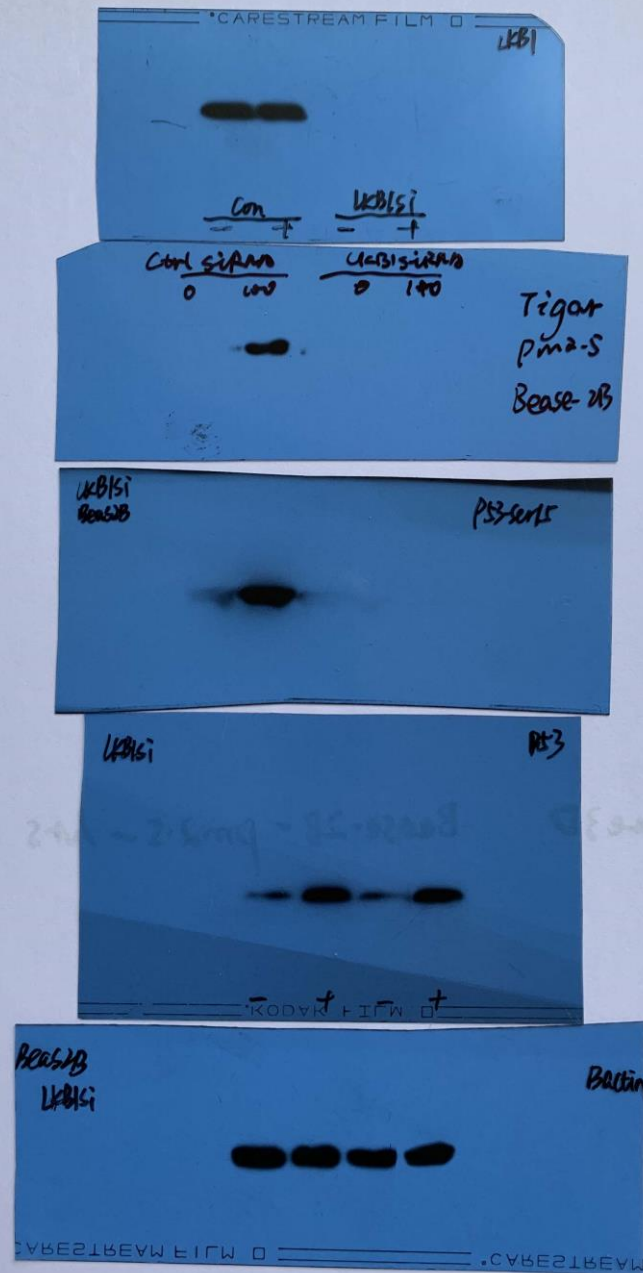


Figure 4A Bease-2B- LKB1siRNA - prod.5

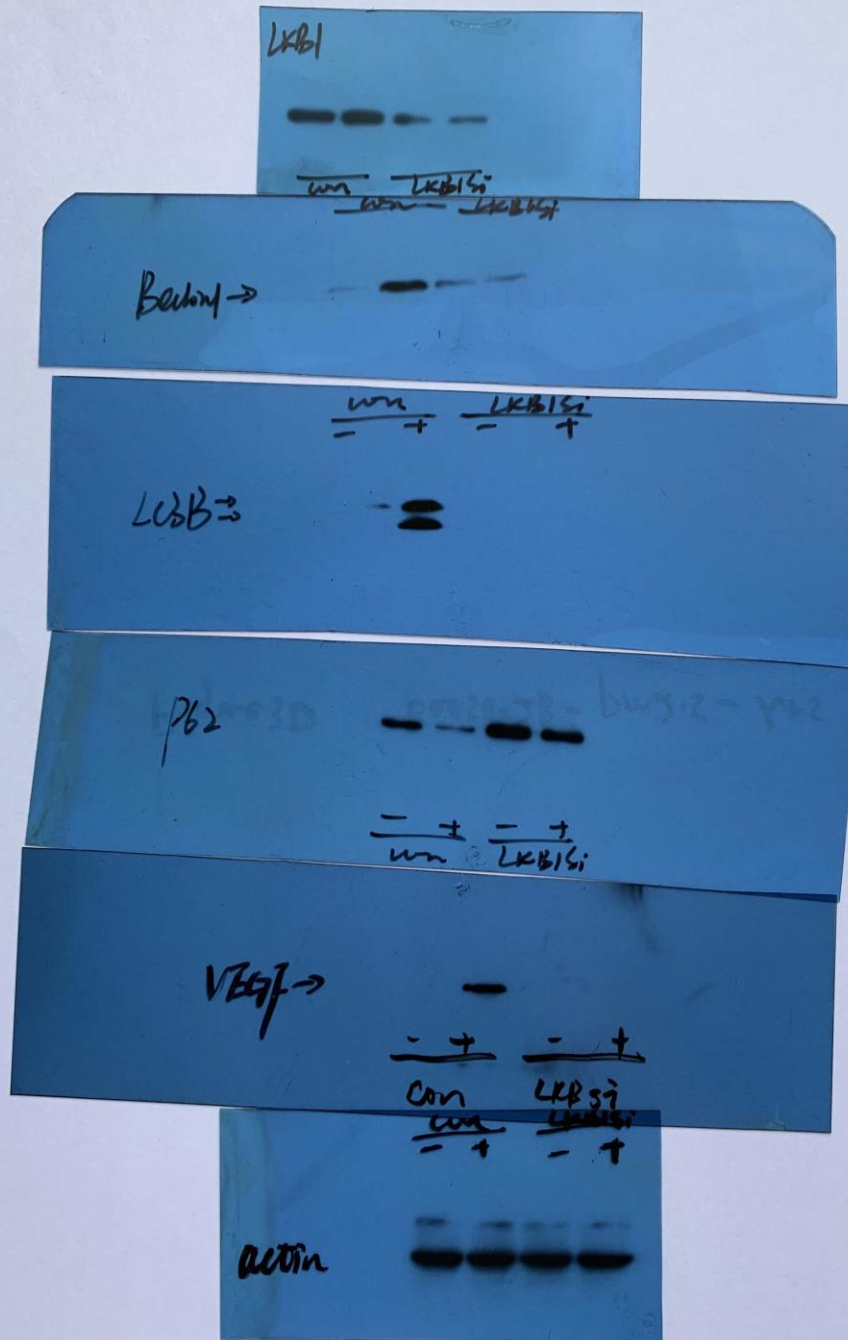


Figure 4F Beas-2B - LKB1 siRNA - pm2.5

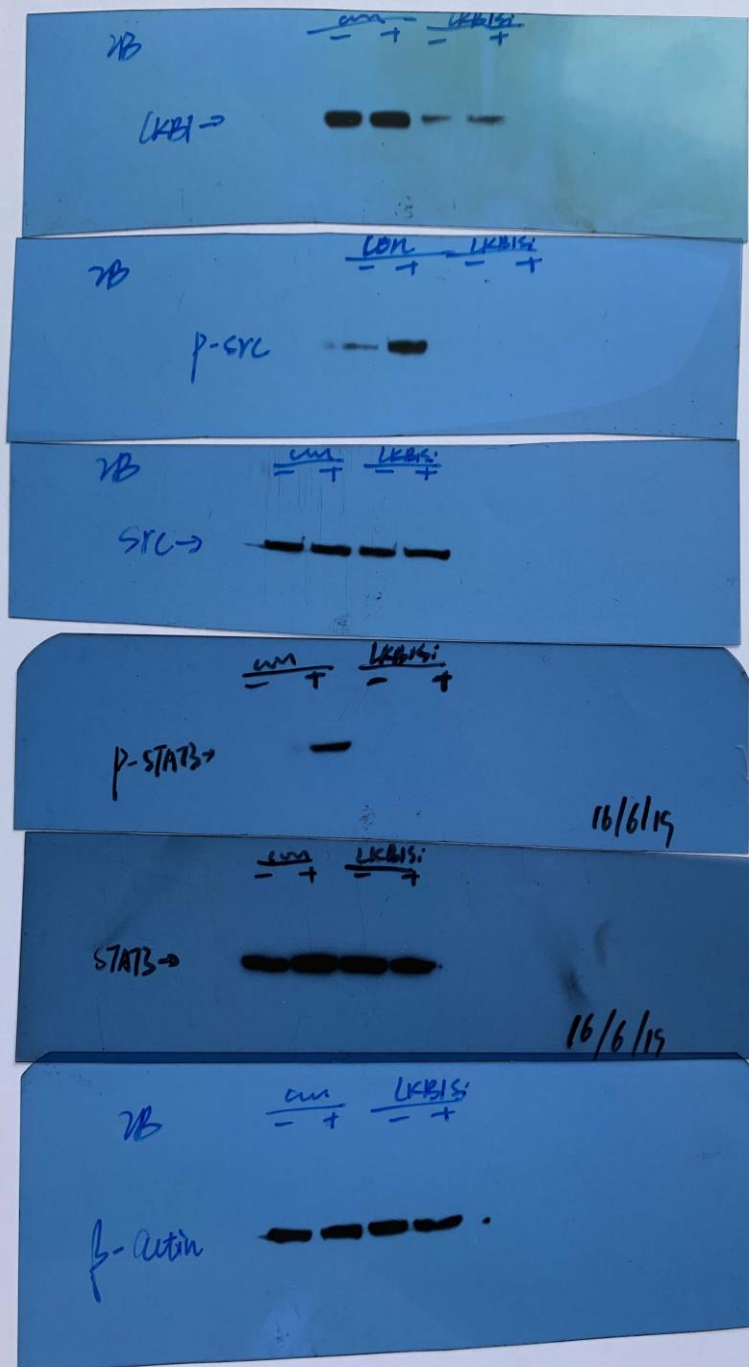


Figure 5A-1 β -actin

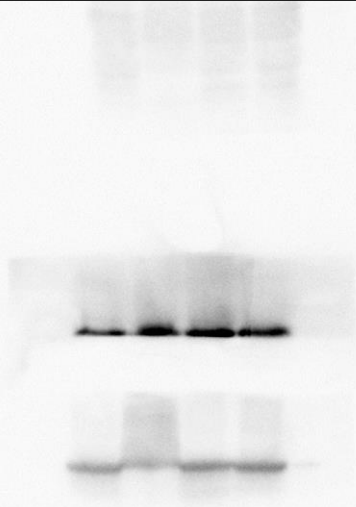


Figure 5A-1 VEGF

