

## ONLINE SUPPLEMENT

### **Supplementary Figure 1. Cell apoptosis is increased in the glomeruli of Ang II-infused rats.**

Representative micrographs of TUNEL staining and quantification of cell apoptosis in each group (original magnification,  $\times 400$ ).  $*P < 0.05$  relative to normal,  $n=6$ . Scale bars:  $20\mu\text{m}$ . Normal: normal saline-infused group, Ang II: Ang II-infused group.

### **Supplementary Figure 2. Sirt6 expression and distribution in podocytes under normal condition.**

Representative micrographs of Sirt6 staining in podocytes under normal condition. Normal: normal saline-infused group (original magnification,  $\times 400$ ).

### **Supplementary Figure 3. Effects of Sirt6 upregulation on Nrf2 and HO-1 expression in podocytes under normal condition.**

The cultured podocytes were transfected with pcDNA3.1-SIRT6 under basal conditions. Untreated and un-transfected podocytes were regarded as normal cells. Representative Western blots and quantification of Sirt6, Nrf2 and HO-1 protein levels in each group.  $*P < 0.05$  relative to normal cells,  $n=3$ .

### **Supplementary Figure 4. Sirt6 expression in podocytes transfected with Sirt6 siRNA.**

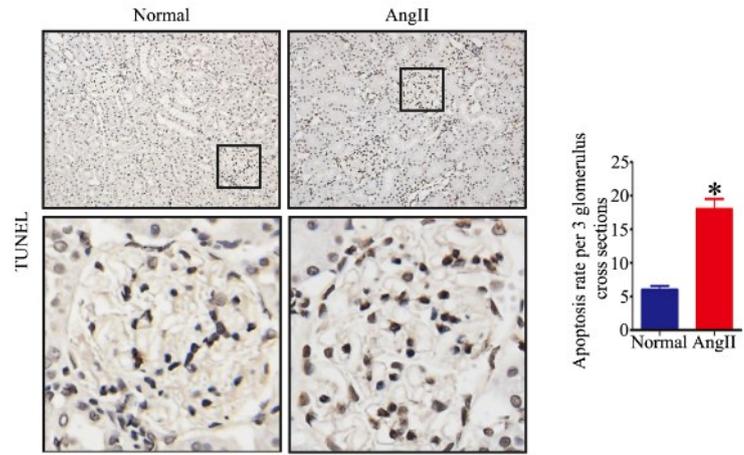
Sirt6 expression after being transfected with Sirt6 siRNA under basal conditions. Podocytes were transfected with Sirt6 siRNA. Untreated and un-transfected podocytes were regarded as normal cells. Representative Western blots and quantification of Sirt6 protein levels in each group.  $*P < 0.05$  relative to normal cells,  $n=3$ .

### **Supplementary Figure 5. Sirt6 expression in podocytes treated with different concentrations of Ang II.**

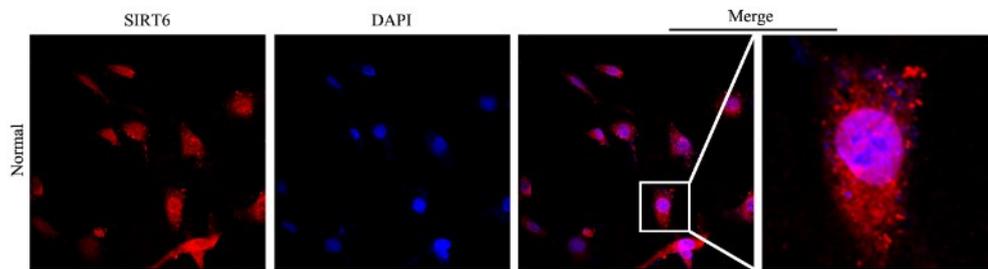
Representative Western blots and quantification of Sirt6 protein level in cultured podocytes stimulated with different concentrations of Ang II for 24h.  $*P < 0.05$  relative to podocytes treated with Ang II for 0 h,  $n=3$ .  $\#P > 0.05$  relative to podocytes treated with  $10^{-7}$  M Ang II,  $n=3$ .

### **Supplementary Figure 6. The original picture of of GAPDH band in Fig.6A and Fig.7A.**

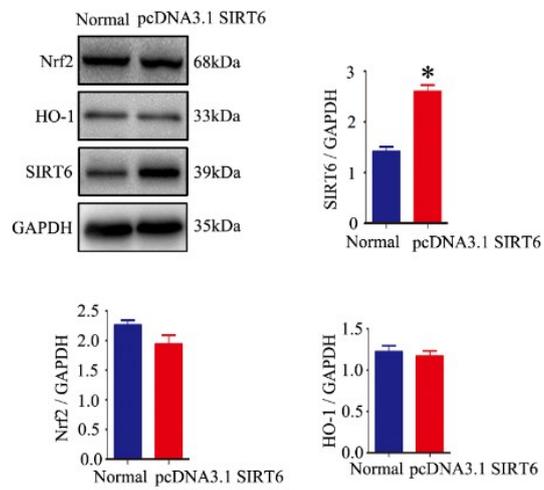
### **Supplementary Figure 1.**



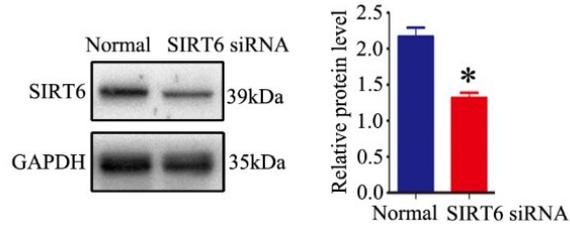
Supplementary Figure 2.



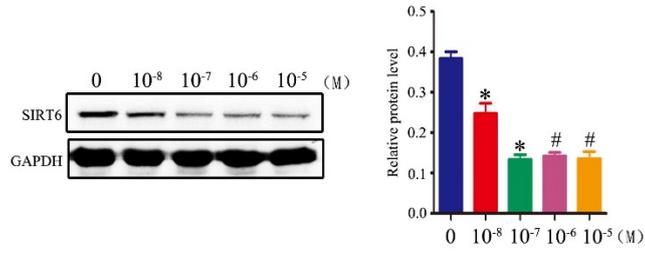
Supplementary Figure 3.



Supplementary Figure 4.



Supplementary Figure 5.



Supplementary Figure 6.

Fig.6A

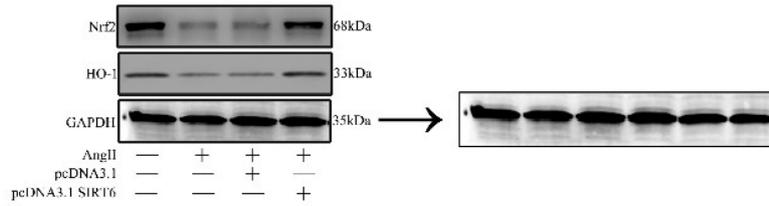


Fig.7A

