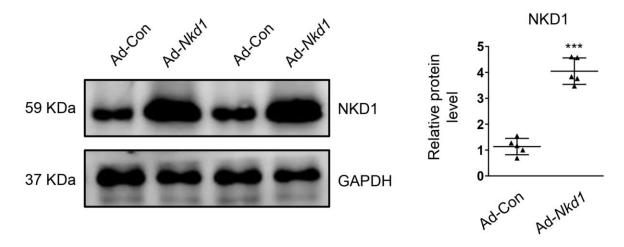
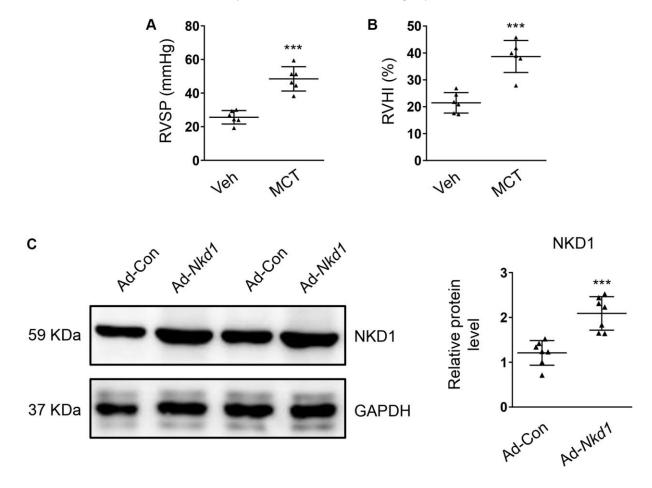
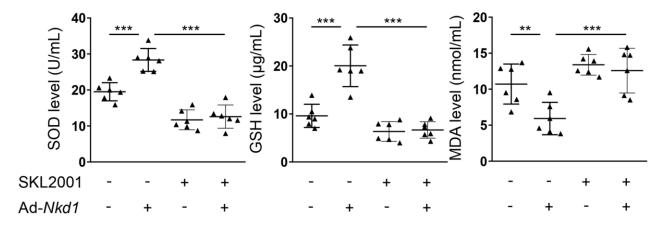
SUPPLEMENTARY FIGURES



Supplementary Figure 1. Ad-*Nkd1* transfection increases NKD1 expression in PASMCs. PASMCs were transfected with Ad-Con or Ad-*Nkd1*. The relative protein expression of NKD1 was assessed by western blotting (*post hoc* for LSD test; n = 5 samples). Data were shown as mean ± S.D. ***P < 0.001 denoted statistical comparison between the two marked groups.



Supplementary Figure 2. Validation of MCT-induced mouse PAH model establishment and Ad-Nkd1 transfection efficiency. RVSP (A) and RVHI (B) of MCT-treated mice were measured (*post hoc* for LSD test; n = 6 samples). (C) Mice were transfected with Ad-Con or Ad-Nkd1. The relative protein expression of NKD1 was assessed by western blotting (*post hoc* for LSD test; n = 7 samples). Data were shown as mean ± S.D. ***P < 0.001 denoted statistical comparison between the two marked groups.



Supplementary Figure 3. NKD1 suppresses oxidative stress in PAs of MCT-treated mice via reducing β -catenin expression. The levels of SOD, GSH, and MDA in PAs from different groups were analyzed by ELISA (*post hoc* for LSD test; *n* = 6 samples). Data were shown as mean ± S.D. ***P* < 0.01 and ****P* < 0.001 denoted statistical comparison between the two marked groups, respectively.