

Figure S1. Effects of ROCK1 inhibitor on the ROCK1/MYPT1 pathway in the two-hit model of ventilator-associated lung injury. The expression levels of (A) ROCK1 and (B) p-MYTP1 were determined by western blot analysis. Densitometry analysis was conducted and the p-MYTP1/MYTP1 ratio was presented; representative protein bands were shown. Data are presented as the mean $\pm$ SEM (n=7). **P<0.01 vs. LPS or ventilated groups; #P<0.05, ##P<0.01 vs. Ventilated + LPS group. LPS, lipopolysaccharide; MYTP1, myosin phosphatase target subunit 1; p-, phosphorylated; ROCK, Rho-associated coiled-coil forming protein kinase.

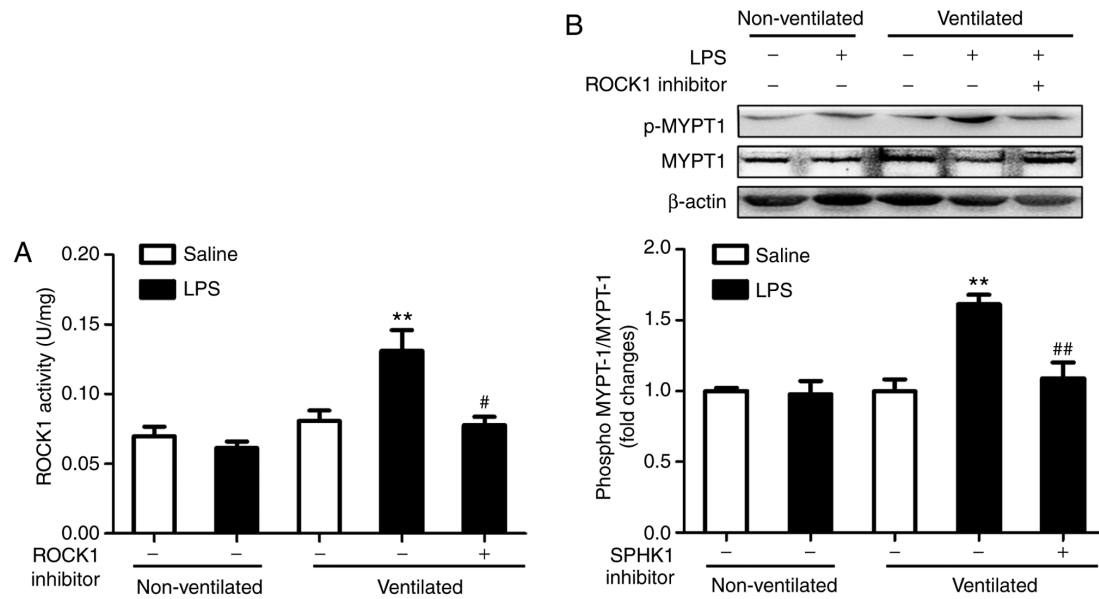


Figure S2. Effects of ROCK1 inhibitor on ROCK1/MYPT1 pathway in mouse lung vascular endothelial cells. Cells were collected to determine the expression levels of (A) ROCK1 and (B) p-MYPT1. Densitometry analysis was conducted and the p-MYPT1/MYPT1 ratio was presented; representative protein bands were shown. Data are presented as the mean $\pm$ SEM (n=4). *P<0.05, **P<0.01 vs. LPS or stretched groups; #P<0.05, ##P<0.01 vs. Stretched + LPS group. LPS, lipopolysaccharide; MYPT1, myosin phosphatase target subunit 1; p-, phosphorylated; ROCK, Rho-associated coiled-coil forming protein kinase.

