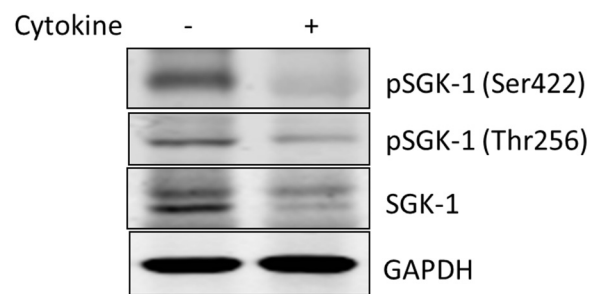
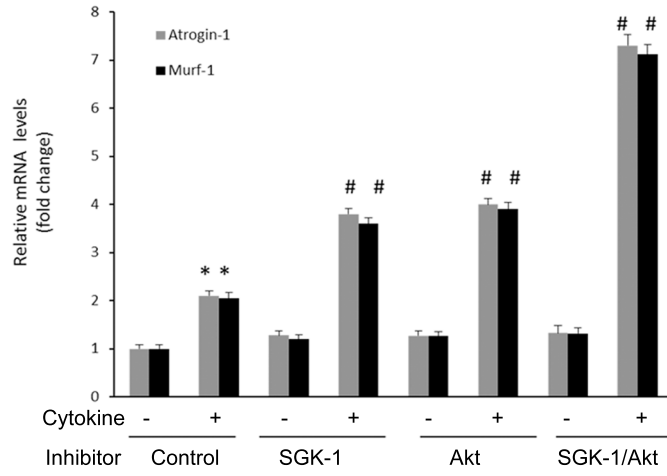


Supplemental figure 1.

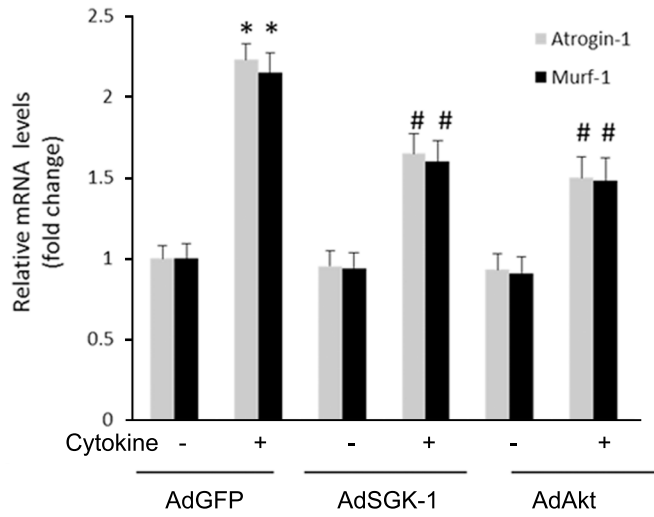


Supplemental figure 2

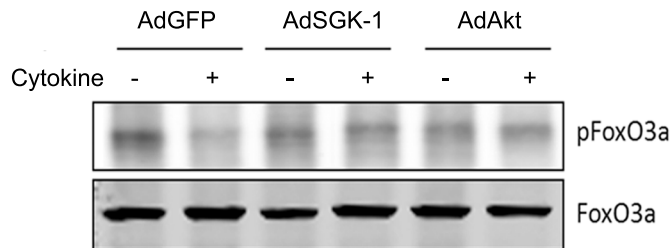
A



B



C



Supplemental figure 3.

Supplemental figure 1. CKD suppresses SGK-1 expression in different tissues.

Different tissues as indicated were collected from CKD mice, the SGK-1 expression were determined by Western blot (A) and the intensity analysis is summarized (B) (*, $p < 0.05$, $n = 3$).

Supplemental figure 2. Cytokines suppresses SGK-1 expression and activation.

C2C12 cells were treated with the cocktail of cytokines for 24 h, the phosphorylated SGK-1 and the total levels were detected by Western blot.

Supplemental figure 3. Comparing roles of Akt and SGK-1 in muscle wasting. A.

C2C12 cells were treated with inhibitors of Akt (10 μM) and/or SGK-1 (50 μM) before exposing to cytokine mix for 24 hrs, the expression of Atrogin1 and Murf1 were determined by real time RT-PCR. B and C. C2C12 cells were treated with AdAkt and/or AdSGK-1 before exposing to cytokine mix for 24 hrs, the expression of Atrogin1 and Murf1 (B) and the phosphorylated FOXO3a were determined. ($n = 3$ repeats).