

Integrin β 3 promotes cardiomyocyte proliferation and attenuates hypoxia-induced apoptosis via regulating the PTEN/Akt/mTOR and ERK1/2 pathways

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Running title: Integrin β 3 promotes cardiomyocyte proliferation

Supplementary data

Supplementary Figures

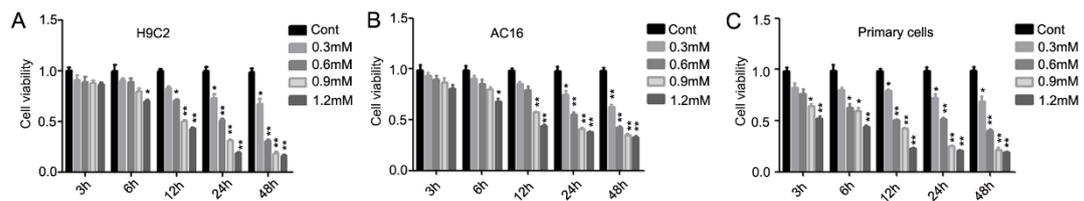


Figure S1. CoCl₂ inhibited cardiomyocytes proliferation. H9C2 (A), AC16 (B) and primary ratmyocardial cells (C) were treated with CoCl₂. Cell viability was detected by CCK8 assay.

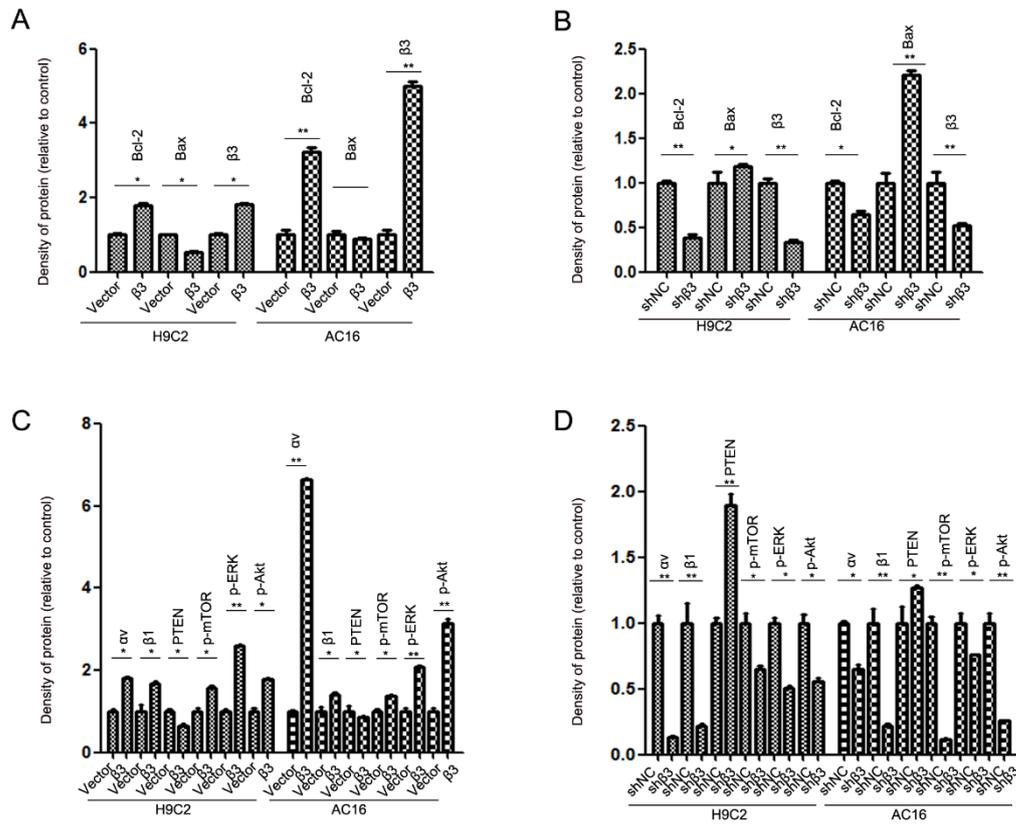


Figure S2. Integrin $\beta 3$ promotes cardiomyocytes proliferation through regulation of PTEN/Akt/mTOR and ERK1/2 pathway. (A) Protein expression level of Figure 3A. (B) Protein expression level of Figure 3B. (C) Protein expression level of Figure 3C. (D) Protein expression level of Figure 3D. * $P < 0.05$; ** $P < 0.01$.

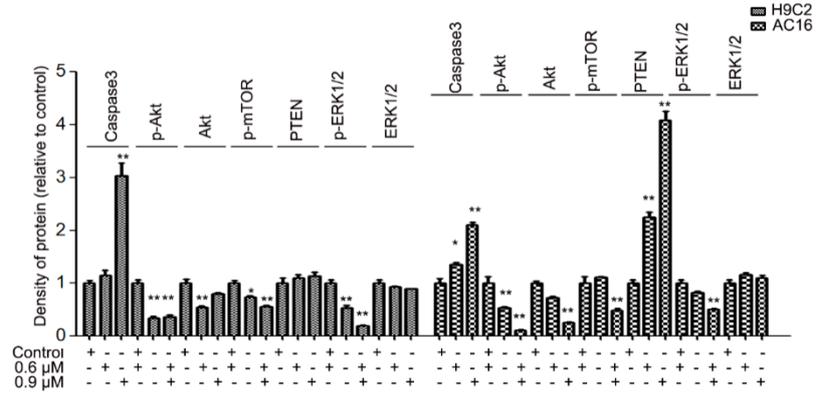


Figure S3. CoCl₂ inhibited cardiomyocytes proliferation through regulation of PTEN/Akt/mTOR and ERK1/2 pathway. Protein expression level of Figure 5A. *P<0.05; **P<0.01.

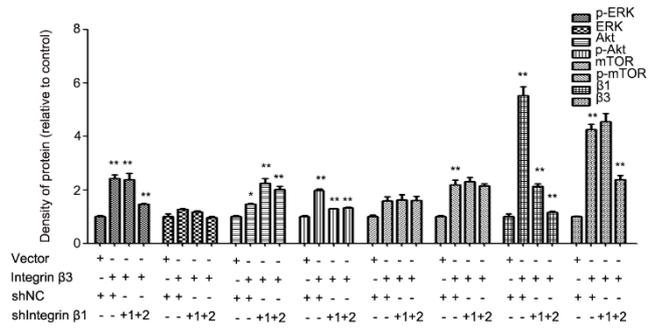


Figure S4. Knockdown of integrin β1 weakens the effect of integrin β3 on cardiomyocytes proliferation and clone-forming ability in H9C2 cells. Protein expression level of Figure 7A. *P<0.05; **P<0.01.