

Figure S1. Post-transduction protein levels of 14-3-3 γ . Immunoblotting analysis of 14-3-3 γ protein expression levels in H9C2 cells following pretreatment with pAd/14-3-3 γ -shRNA or pAd/NC-shRNA, alongside the semi-quantification of the immunoblotting results. β -actin was used as an internal control (n=3). Data are presented as the mean \pm SD. *P<0.05. shRNA, short hairpin RNA; NC, negative control.

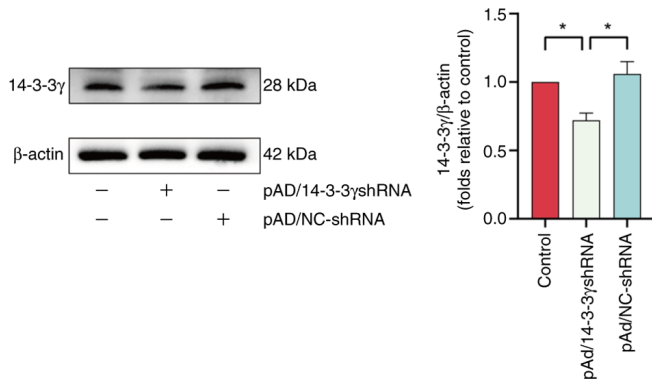


Figure S2. Underlying mechanism by which TQ protects against cardiac hypertrophy. TQ mitigates cardiac hypertrophy by promoting adaptive autophagy through the PPAR- γ /14-3-3 γ pathway. TQ, thymoquinone; AngII, angiotensin II; TAC, transverse aortic constriction; PPAR- γ , peroxisome proliferator-activated receptor- γ ; ROS, reactive oxygen species; NOX, NADPH oxidase 4; SOD2, superoxide dismutase 2.

