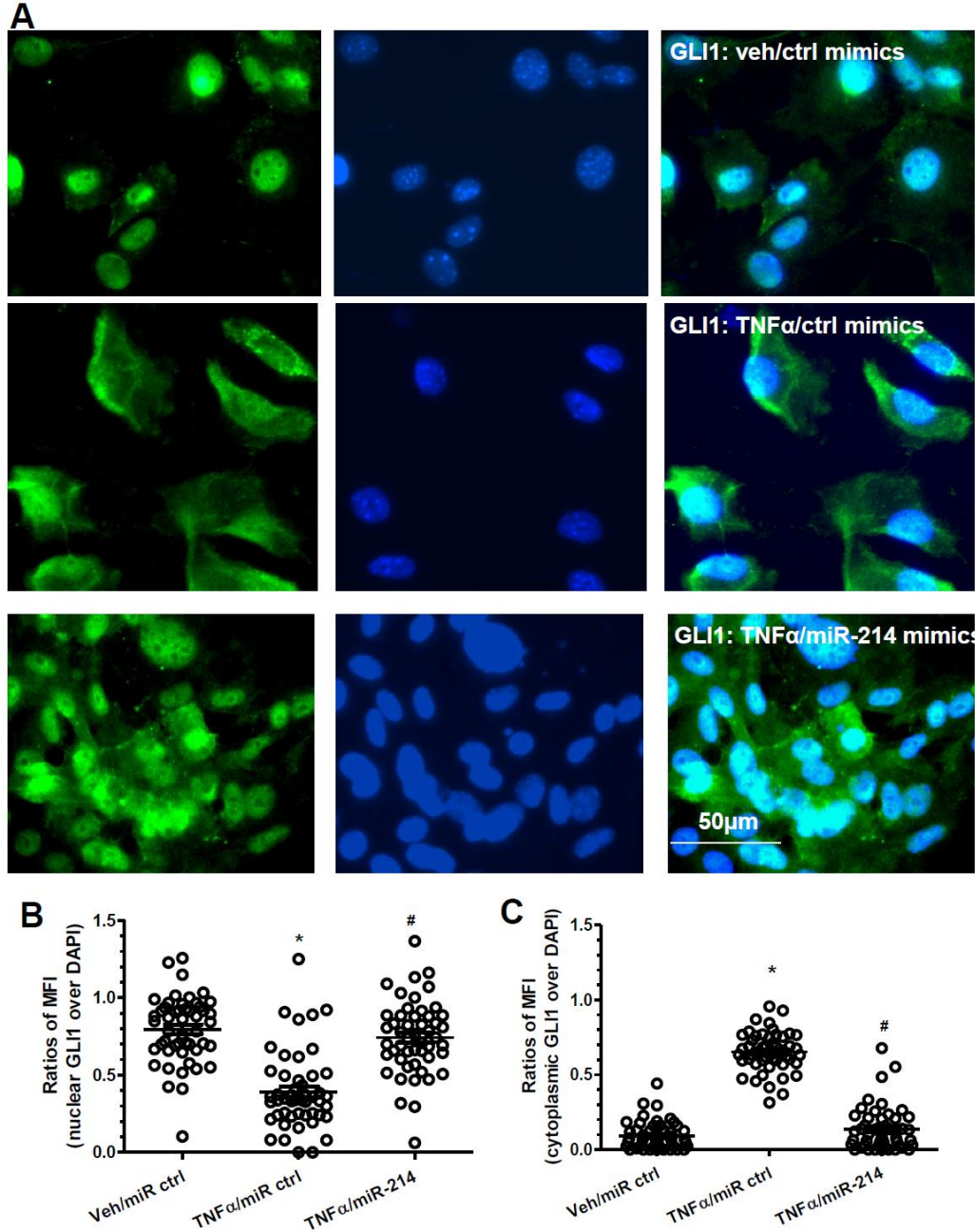


Figure S5. GLI1 cellular location was modulated by miR-214-3p.



AdSPCs were differentiated into iSMCs (DMEM containing 5ng/ml TGF β 1 and 50ng/ml TNF α) for 4 days, then transfected with miR-214-3p mimics (miR-214) or negative control (miR ctrl), and cultured for 48 hours in the same culture medium. Cells were fixed and subjected to immunofluorescence staining (A). Fifty cells were randomly selected for quantification by Image J free software (Version 1.47, RRID:SCR_003070) from each treatment. Mean fluorescence intensity (MFI) of nuclear (B) and cytoplasmic (C) GLI1 (green), as well as DAPI (blue) from the same cells were quantified, and the ratio of MFI of GLI1 over DAPI were calculated accordingly. Veh indicates vehicle control for TNF α . The data presented here are representative (A) or mean \pm S.E.M. (B & C) of fifty cells (n=50). *P<0.05 (vs veh/miR ctrl); #P<0.05 (TNF α /miR-214 vs TNF α /miR ctrl) (one-way ANOVA with a post hoc test of Tukey's analysis). miR-214 indicates miR-214-3p.