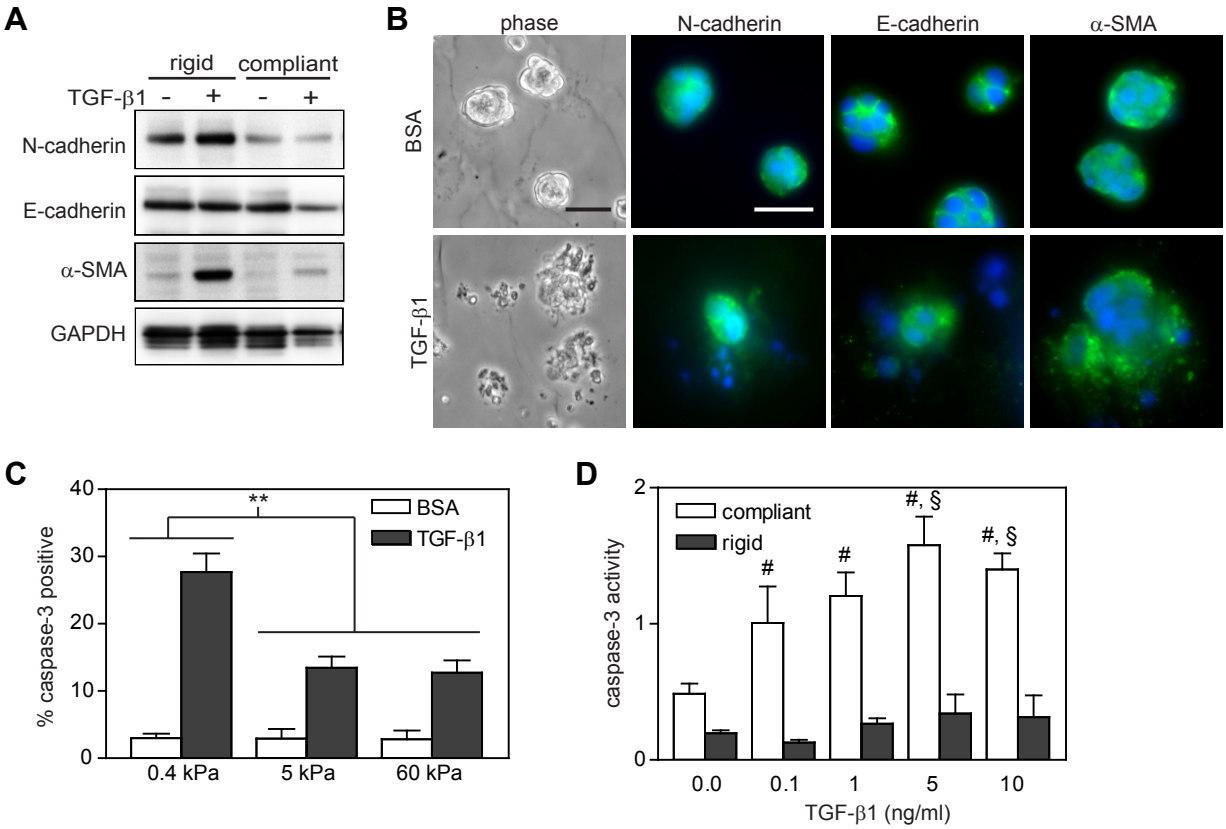
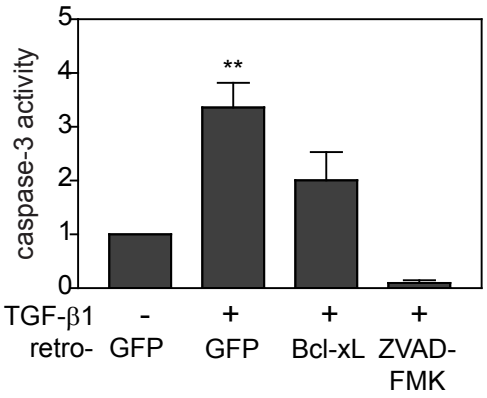
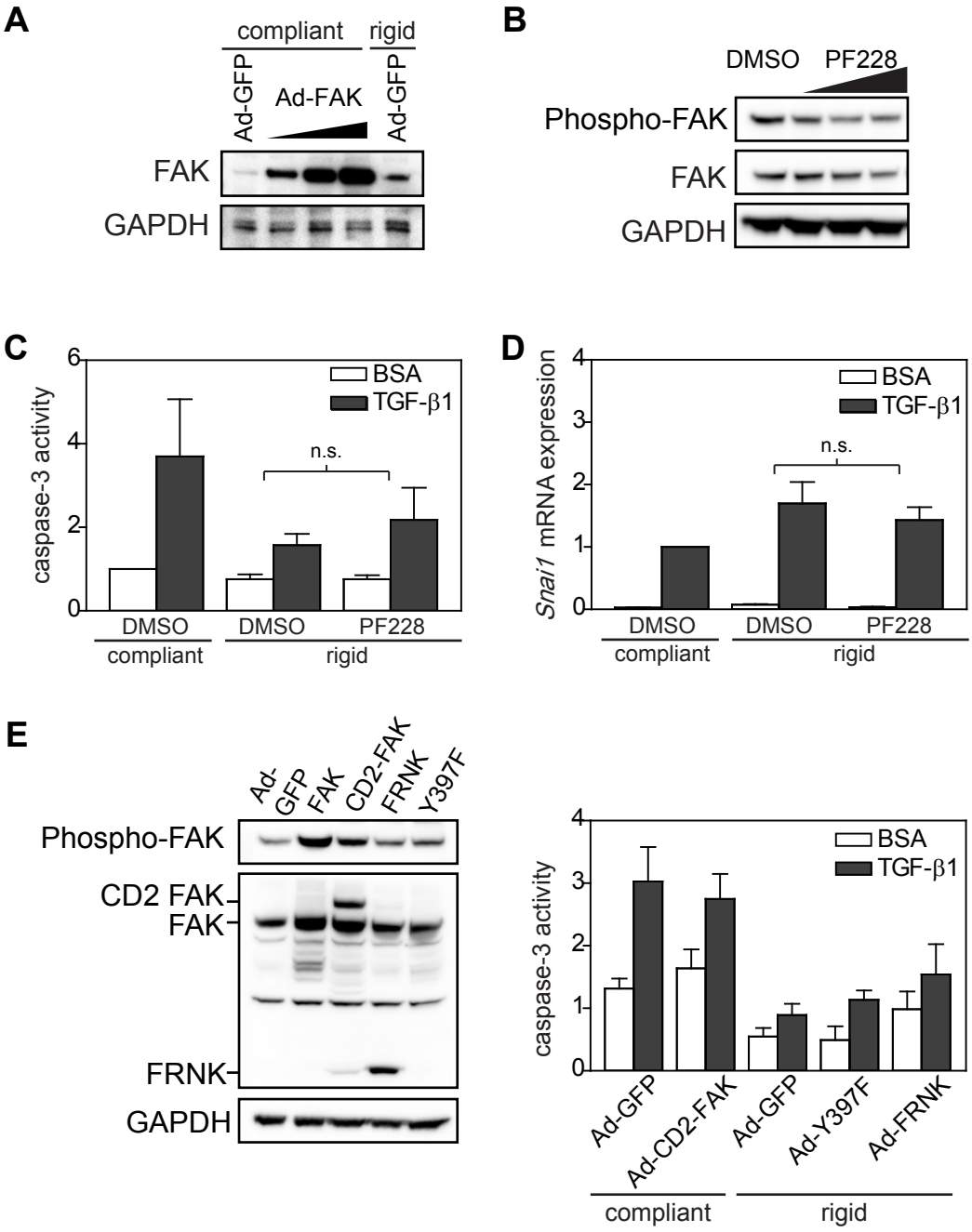


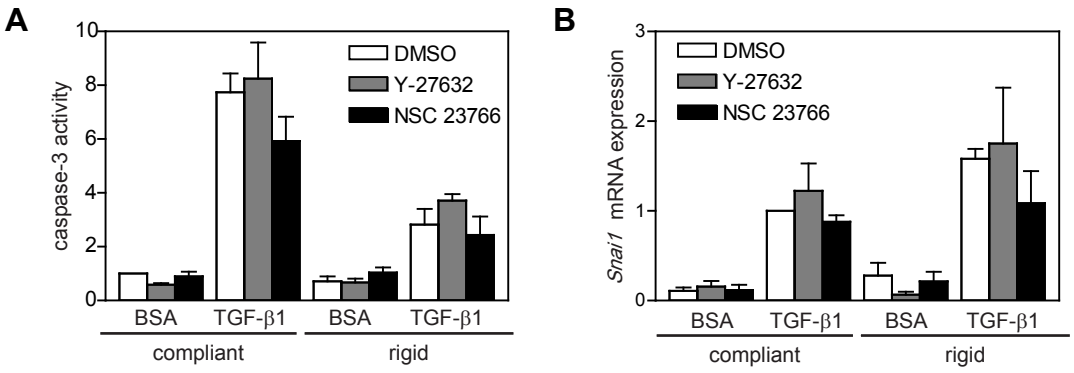
Supplemental Figure 1.TGF-β1 induced apoptosis and EMT in NMuMG cells cultured on polyacrylamide gels. (A) Western blot of N-cadherin, E-cadherin, α-SMA, and GAPDH control in cells cultured on rigid (8 kPa) PA gels and compliant gels (0.4 kPa) treated with TGF-β1 or BSA control. (B) Phase contrast and immunofluorescence images of cells cultured on compliant PA gels. (C) Graph of percentage of cells positive for cleaved-caspase-3 immunofluorescence. (D) Caspase-3 activity in cells treated with 0.1 to 10 ng/ml TGF-β1. n=3 + SEM. **, $p < 0.01$; #, $p < 0.01$, compliant condition as compared to rigid condition; §, $p < 0.05$ as compared to compliant 0 ng/ml TGF-β1 condition. Bars, 50 μm.



Supplemental Figure 2. Caspase-3 activity in NMuMG cells infected with retro-GFP, retro-Bcl-xL, or treated with 400 μM ZVAD-FMK prior to treatment with TGF-β1. n=3+SEM **, P<0.01.



Supplemental Figure 3. Manipulation of FAK activity does not affect EMT or apoptosis in NMuMG cells. (A) Western blot of FAK and GAPDH in cells infected with Ad-GFP or Ad-FAK. Graph of caspase-3 activity (C) and Snai1 mRNA (D) in cells treated with PF 573228 (B). (E) Caspase-3 activity in cells infected with Ad-GFP, Ad-FAK, Ad-CD2 FAK, Ad-FRNK, and Ad-Y397F FAK. n=3+SEM



Supplemental Figure 4. Effect of inhibition of ROCK and Rac on apoptosis and EMT in NMuMG cells. (A) Caspase-3 activity and (B) Snai1 mRNA expression in cells treated with 10 μm Y-27632, NSC 23766, or DMSO control. n=3+SEM.