**Figure S1:** A: a representative figure of Western blotting. B: cell viability was checked by Annexin V assay by flow cytometry. C: cell cycle was detected by staining followed with flow cytometry analysis. Figure S1

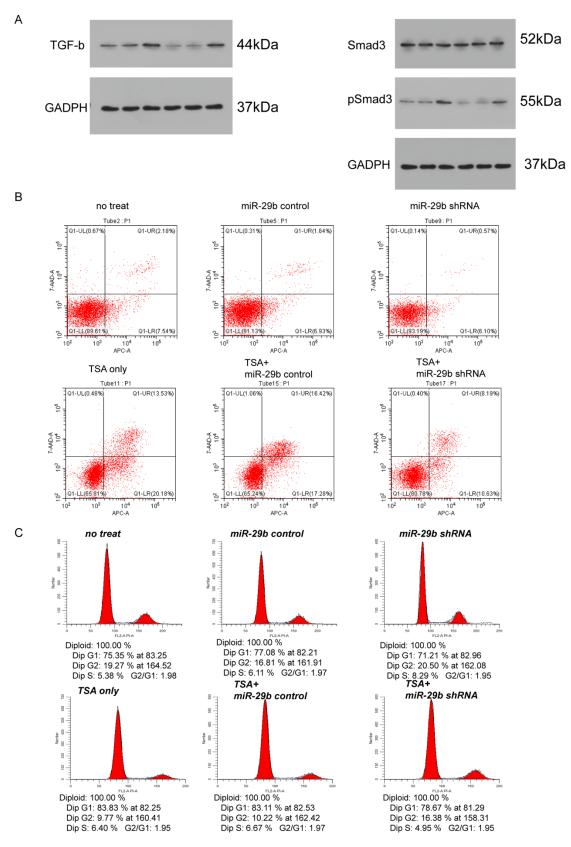
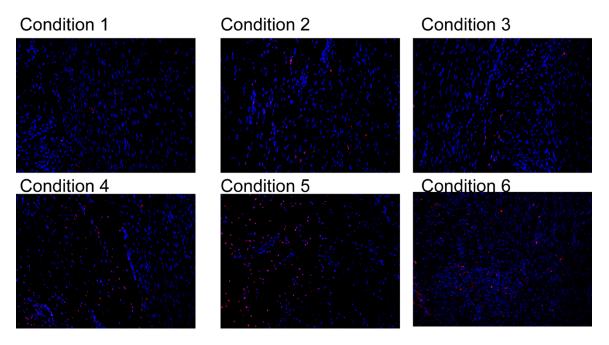


Figure S2: TUNEL assay was performed to look at the frequency of apoptotic analysis. The apoptotic cells were labelled in red and nucleus was in blue.

Figure S2



1. control group

- 2. model group+ no treat 3. model group+ no treat 4. model group +miR-29b inhibitor+TSA II(0h) 4. model group +miR-29b inhibitor+TSA II(6h) 5. model group +miR-29b inhibitor+TSA II(72h) 6. model group +miR-29b inhibitor+TSA II(72h)

Figure S3: Analysis of tendon tissue on collagen I, III, and cyclin D protein expression under six different conditions.

Figure S3

collagen 1 Condition 1	Condition 2	Condition 3	Condition 4	Condition 5	Condition 6
collagen 3					
Condition 1	Condition 2	Condition 3	Condition 4	Condition 5	Condition 6
cyclin D					
Condition 1	Condition 2	Condition 3	Condition 4	Condition 5	Condition 6

## Table S1: primes used in this study

Primers in this study

Name	Primer	Sequence		
U6	Forward	5'- CGCTTCGGCAGCACATATAC -3'		
00	Reverse	5'- AAATATGGAACGCTTCACGA -3'		
	Forward	5'- TGCGC		
		TAGCACCATTTGAAATCA-3'		
·D 001	loop	5'-		
rno-miR-29b	primer	GTCGTATCCAGTGCAGGGTCCGAGG		
		TATTCGCACTGGATACGACAACACT		
		GA -3'		
, , , ,				
Rat GAPDH	Forward	5'- ACAGCAACAGGGTGGTGGAC -3'		
Kat UAFDII	Reverse	5'- TTTGAGGGTGCAGCGAACTT -3'		
Rat TGF-β1	Forward	5'- CACTCCCGTGGCTTCTAGTG-3'		
Rut 101 p1	Reverse	5'- GGACTGGCGAGCCTTAGTTT-3'		
Rat P21	Forward	5'-ACAGCAGGTCAAGAGGAGTA-3'		
	Reverse	5'-CTGAGCCTGTTTCGTGTCTA-3'		
Rat Smad3	Forward	5'-CCTCCAATTCAGAGCGCTTC-3'		
Itat 5111au	Reverse	5'-ATAGCACTGTCACTGAGGCA-3'		