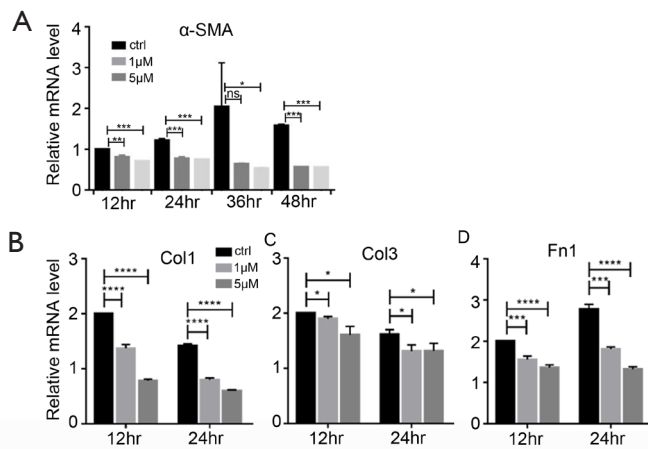


Table S1 qRT-PCR primers used in this study

Items	Sequences	Notes/Reference
$\beta$ -Actin-f	5'TCTTCCAGCCTTCCTTCCTG 3'	New designed
$\beta$ -Actin-r	5'CACACAGAGTACTTGCGCTC 3'	
$\alpha$ -SMA-f	5'CGAAGCGCAGAGCAAGAGA 3'	Yu 2019 (29)
$\alpha$ -SMA-r	5'CATGTCGTCCCAGTTGGTGAT 3'	
Col1-f	5'GATCCTGCCGATGTCGCTAT 3'	Yu 2019 (29)
Col1-r	5'TGTAGGCTACGCTGTTCTTGCA 3'	
Fn1-F	5'CCGAATCACAGTAGTTGCGG 3'	New designed
Fn1-R	5'GCATAGTGTCGGACCGATA 3'	
Desmin-f	5' CACCTGCGAGATTGATGCTC 3'	New designed
Desmin-r	5' AATCTCCACATCCAAGGCCA 3'	
Plin2-f	5'TGCCTATTCTGAACCAGCCA 3'	New designed
Plin2-r	5'TCCACTCCACTGCTCATGAG 3'	
CD133-f	5'CCAAGGAGGTCGCCATCTAT 3'	New designed
CD133-r	5'TGCCAAGACTCATGAGCAGA 3'	
Smad6-f	5'ATGTCTCCAGATGCCACCAA 3'	New designed
Smad6-r	5'TGCCAAAACCGATCTTGCTC 3'	
Smad7-f	5'GGCTTCACCGTGAGATTAG 3'	New designed
Smad7-r	5'ACCGACCGAAAGAGTTTTGC 3'	
GFAP-f	5' GATGTAGGAGTGGGTAGGGC 3'	New designed
GFAP-r	5' CCCTCTCCGCATCCACTT 3'	
Col3-f	5' ATTGCTGGAGTTGGAGGTGA 3'	New designed
Col3-r	5' TGAGTTCAGGGTGGCAGAAT 3'	



**Figure S1** SB431542 suppressed freshly isolated PSCs activation. Relative mRNA expression level of  $\alpha$ -SMA (A), Col1 (B), Col3 (C), Fn1 (D) was measured after 12, 24 36 and/or 48 hours in the condition of 1 or 5  $\mu$ M SB431542 stimulation during freshly isolated PSCs activation. DMSO was a negative control.  $\beta$ -Actin acted as internal reference. The two-tailed Student's t-test was performed to assess significance. ns, not significant; \*,  $P < 0.05$ ; \*\*,  $P < 0.01$ ; \*\*\*,  $P < 0.001$ ; \*\*\*\*,  $P < 0.0001$ .

## References

29. Yu HX, Yao Y, Bu FT, et al. Blockade of YAP alleviates hepatic fibrosis through accelerating apoptosis and reversion of activated hepatic stellate cells. *Mol Immunol* 2019;107:29-40.