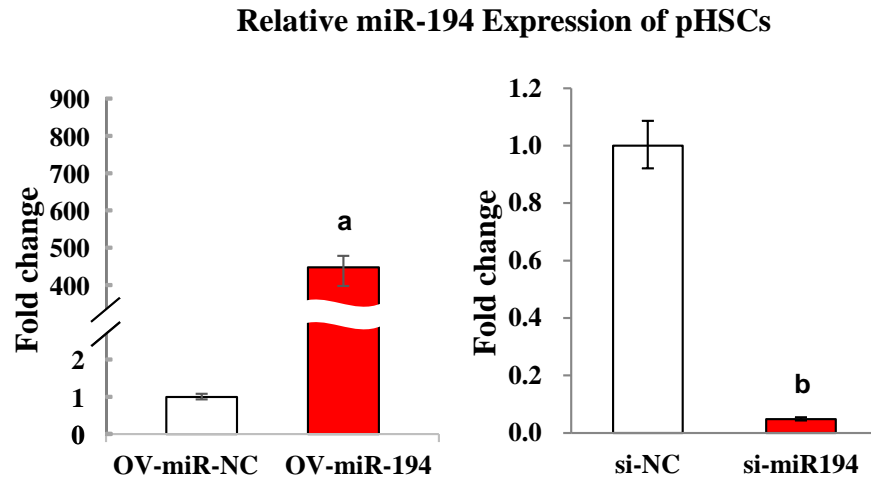
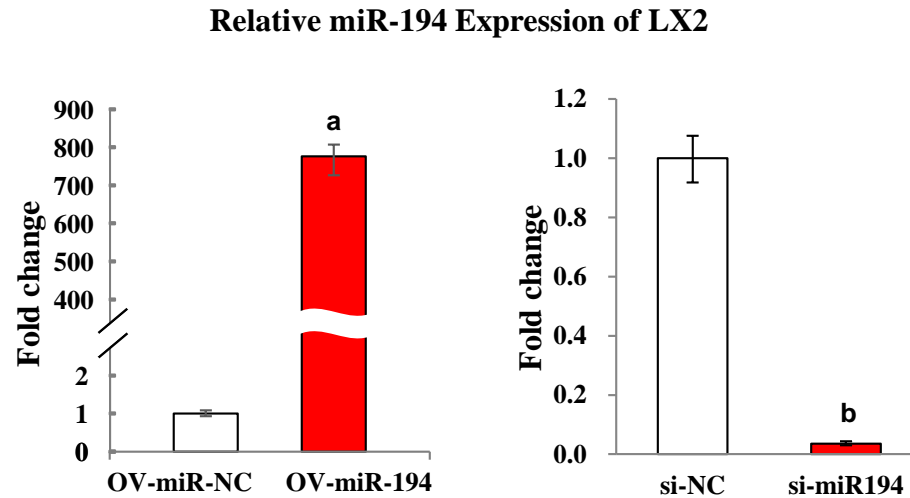


Suppl. Fig 1



Suppl. Fig 1 Overexpression and inhibition of miR-194 in primary hepatic stellate cells. The expression of miR-194 was evaluated by qPCR in pHSCs after transfection with a miR-194 mimic or miR-194 inhibitor for 48 h. ^a $p < 0.05$ vs. the OV-miR-NC group, ^b $p < 0.05$ vs. the si-NC group. pHSCs: primary hepatic stellate cells.

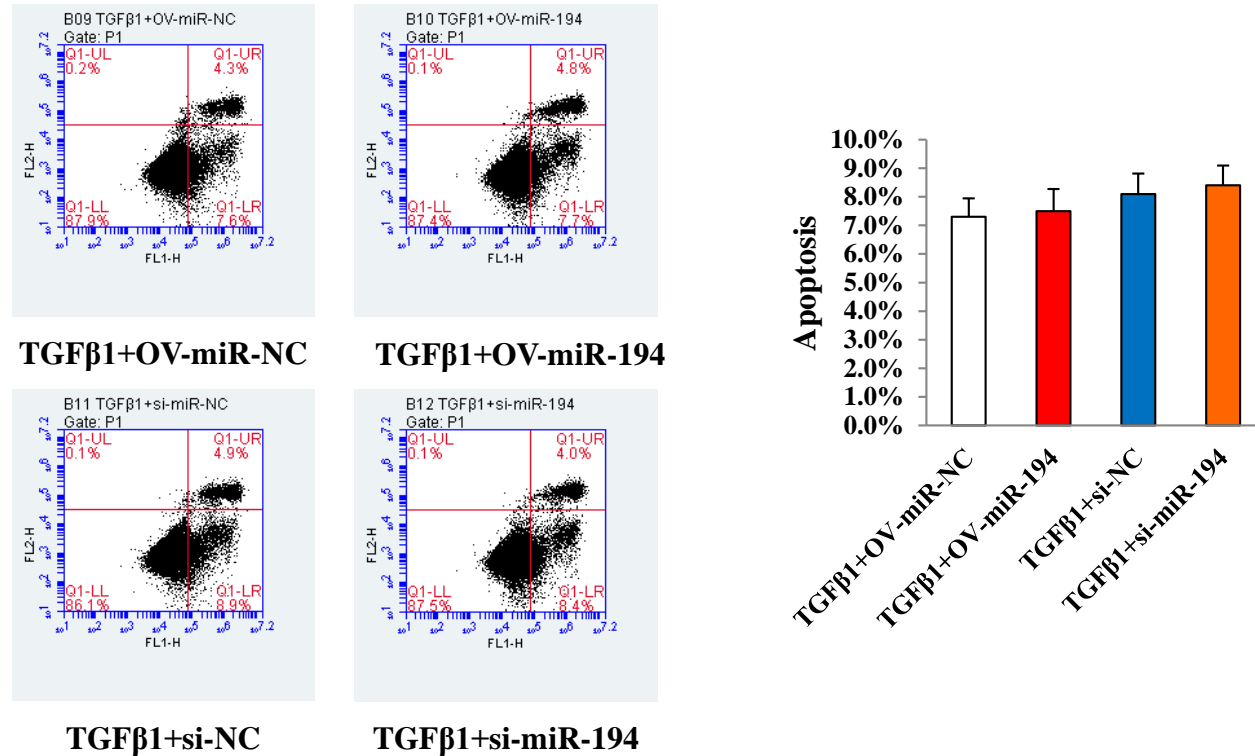
Suppl. Fig 2



Suppl. Fig 2 Overexpression and inhibition of miR-194 in LX2 cells. The expression of miR-194 was evaluated by qPCR in LX2 transfected with a miR-194 mimic or miR-194 inhibitor for 48 h. ^a $p < 0.05$ vs. the OV-miR-NC group, ^b $p < 0.05$ vs. the si-NC group.

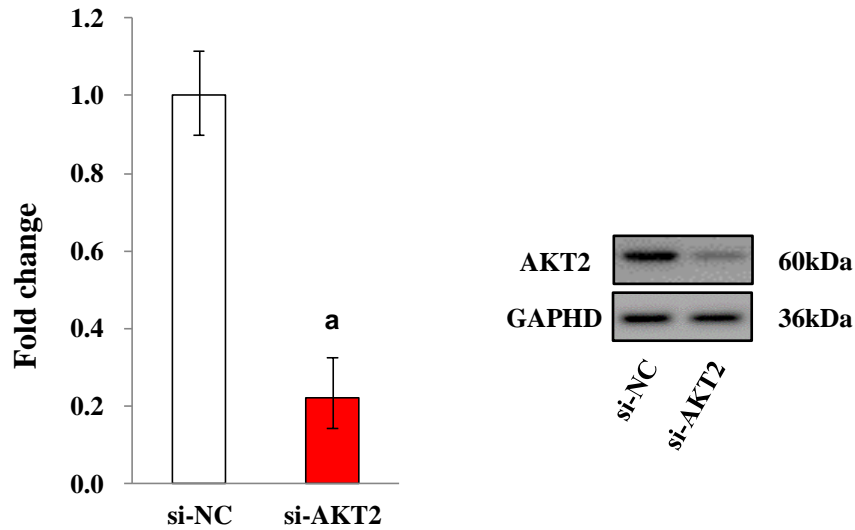
Suppl. Fig 3

Apoptosis of LX2



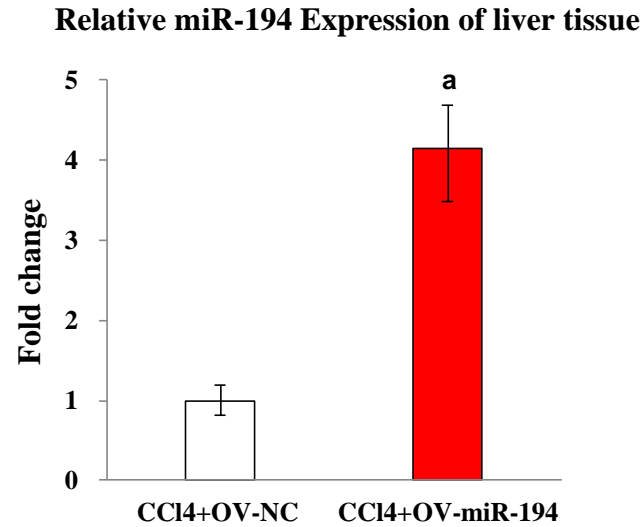
Suppl. Fig 3 MiR-194 had no effect on the apoptosis of LX2 cells. TGF-β1-treated LX2 cells were transfected a miR-194 mimic or miR-194 inhibitor for 48 h, and the rate of apoptosis was measured using flow cytometry.

Suppl. Fig 4



Suppl. Fig 4 Inhibition of AKT2 in LX2 cells. silencing efficiency of si-AKT2 and si-NC was assessed by qPCR and western blotting in LX2 cells. ^ap<0.05 vs. the si-NC group.

Suppl. Fig 5



Suppl. Fig 5 Reintroduction of miR-194 in CCl₄-treated mice. Administration of a miR-194 agomir enhanced the miR-194 levels in livers, as determined by RT-PCR, 2 weeks after the second injection of the miR-194 agomir. ^ap<0.05 vs. the CCl₄+OV-NC group.

Suppl Table 1 Hunan primer sequences for PCR

miR-194	F: 5' -TGTAACAGCAACTCCATGTGGA-3'
α -SAM	F: 5' - GTGACGAAGCACAGAGCAAA-3' R: 5' - CTTTTCCATGTCGTCCCAGT-3'
Coll1a1	F: 5' -CAGATCACGTCATCGCACAA-3' R: 5' -TGTGAGGCCACGCATGAG-3'
cyclin D1	F: 5' - GGCGGATTGGAAATGAACTT -3' R: 5' - TCCTCTCCAAAATGCCAGAG -3'
AKT2	F: 5' - ACCACAGTCATCGAGAGGACC-3' R: 5' - GGAGCCACACTTGTAGTCCA-3'

Suppl Table 2 Mouse primer sequences for PCR

miR-194	F: 5' -TGTAACAGCAACTCCATGTGGA-3'
α -SAM	F: 5' - AAACAGGAATACGACGAAG-3' R: 5' - CAGGAATGATTTGGAAAGGA-3'
Coll1a1	F: 5' -GAGCGGAGAGTACTGGATCG -3' R: 5' -GCTTCTTTTCCTTGGGGTTC-3'
cyclin D1	F: 5' -GCGTACCCTGACACCAATCTC -3' R: 5' - CTCCTCTTCGCACTTCTGCTC-3'
AKT2	F: 5' - ACGTGGTGAATACATCAAGACC-3' R: 5' - GCTACAGAGAAATTGTTCAGGGG-3'

Suppl Table 3 Synthesized oligonucleotides in this study

miR-194 mimics	F: 5' -UGU AACAGCAACUCCAUGUGGA-3' R: 5' -CACAUGGAGUUGCUGUUACA UU-3'
NC mimics	F: 5' -UUCUCCGAACGUGUCACGUTT-3' R: 5' -ACGUGACACGUUCGGAGAATT-3'
miR-194 inhibitors	F: 5' -UCCACAUGGAGUUGCUGUUACA-3'
NC inhibitors	R: 5' -CAGUACUUUUGUGUAGUACAA-3'
si-AKT2	F: 5' -CGUGGUGAAUACAUCAAGATT -3' R: 5' -UCUUGAUGUAUUCACCACGTT-3'
si-NC	F: 5' -UUCUCCGAACGUGUCACGUTT-3' R: 5' -ACGUGACACGUUCGGAGAATT-3'
NC agomir	F: 5' -UUCUCCGAACGUGUCACGUTT-3' R: 5' -ACGUGACACGUUCGGAGAATT-3'
miR-194 agomir	F: 5' -UGU AACAGCAACUCCAUGUGGA-3' R: 5' -CACAUGGAGUUGCUGUUACA UU-3'