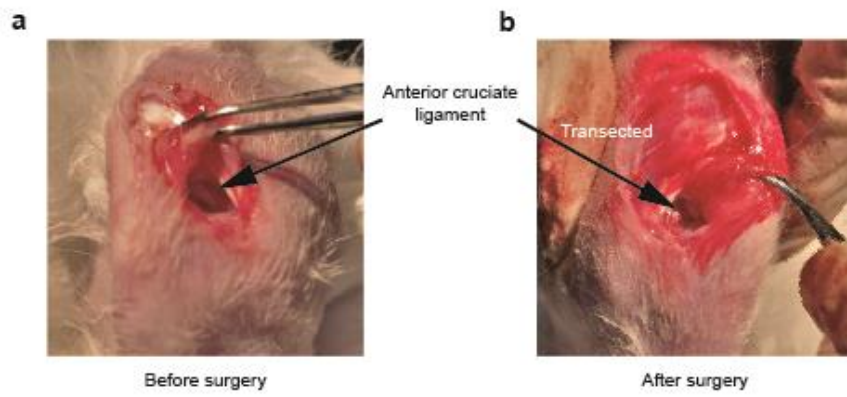
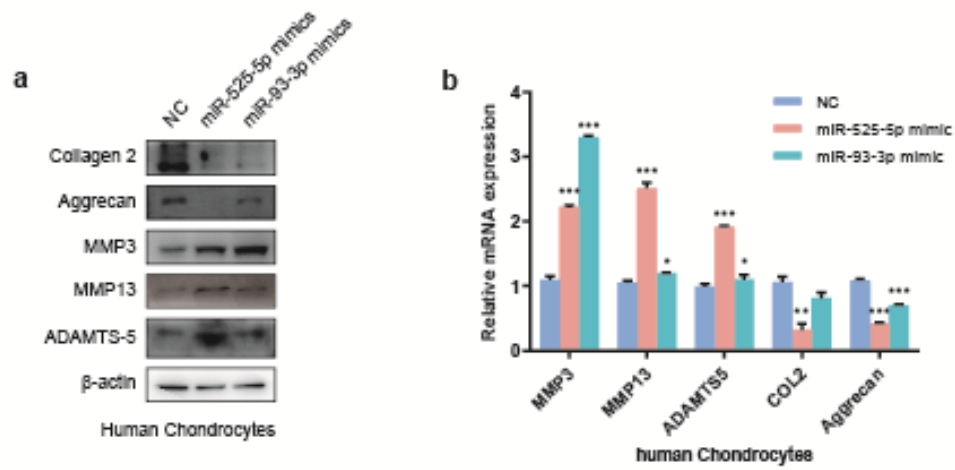




Supplementary Figure S1. Picture of rabbit knee before and after ACLT surgery



Supplementary Figure S2. WB and RT-qPCR results showed the influence of miR-525-5p and miR-93-3p on the protein expression of matrix-metabolism components.

Supplementary Table S1. Primers used in this study

Gene	Species	Primers
β -actin-F	human	AGAGCTACGAGCTGCCTGAC
β -actin-R	human	AGCACTGTGTTGGCGTACAG
hsa_circFNDC3B-F	human	CAGTGCATTCAAGGAAGCCA
hsa_circFNDC3B-R	human	TTCAGCAATGGTGGCAGTTC
FNDC3B-F	human	CCCATCAAACCCCTCCTGGTAG
FNDC3B-R	human	TTCCCTCAACTGGCTTCCTTC
hsa-miR-1296-3p	human	GAGTGGGGGCTTCGACCCTAACC
hsa-miR-3151-5p	human	GGTGGGGCAATGGGATCAGGT
hsa-miR-370-3p	human	GCCTGCTGGGGTGGAAACCT
hsa-miR-4663	human	AGCTGAGCTCCATGGACGTGCA
hsa-miR-525-5p	human	cgcCTCCAGAGGGATGCACTTTCT
hsa-miR-93-3p	human	cACTGCTGAGCTAGCACTTCCCG
MMP3-F	human	CCTACAAGGAGGCAGGCAAG
MMP3-R	human	CCCGTCACCTCCAATCCAAG
MMP13-F	human	TCGGCCACTCCTTAGGTCTT
MMP13-R	human	AAGTGGCTTTTGCCGGTGTA
COL2A1-F	human	CCAGATGACCTTCCTACGCC
COL2A1-R	human	TTCAGGGCAGTGTACGTGAAC
ADAMTS5 F	human	CCGGAGCCACTGCTTCTATC
ADAMTS5 R	human	ACCCCCACAGAGGTCAAAGA
AggreCAN-F	human	AAGGGCGAGTGGAATGATGT
AggreCAN-R	human	CGTTTGTAGGTGGTGGCTGTG
HO-1-F	human	ACTGCGTTCCTGCTCAACAT
HO-1-R	human	GGGGGCAGAATCTTGCACTTT
PTEN-F	human	TTTTCTTCAGCCACAGGCTC
PTEN-R	human	TGCTTTGAATCCAAAAACCTTACTA
SPP1-F	human	ATCTCCTAGCCCCACAGACC
SPP1-R	human	CACACTATCACCTCGGCCAT
APLN-F	human	TGCTCCTGGCTGTAGTTTGG
APLN-R	human	CCAAATGAAGGTTTGGGGCG
BAX-F	human	CATGGGCTGGACATTGGACT
BAX-R	human	AAAGTAGGAGAGGAGGCCGT
FN1-F	human	ACAAGCATGTCTCTCTGCCA
FN1-R	human	TTTGATCTTGGTTGGCTGC
TNFRSF1A-F	human	CTGGAGCTGTTGGTGGGAAT
TNFRSF1A-R	human	CTGAGGCAGTGTCTGAGGTG
OLR1-F	human	CCCAGGTGTCTGACCTCCTA
OLR1-R	human	TGCTGGATGAAGTCCTGAACAAT

Supplementary Table S2. Antibodies used in this study

antibody	Prostitution	Place of Origin	Diluted ratio
MMP13	abcam	Cambridge, UK	1:1000
MMP3	abcam	Cambridge, UK	1:1000
ADAMTS5	abcam	Cambridge, UK	1:1000
Collagen II	abcam	Cambridge, UK	1:1000
Aggrecan	abcam	Cambridge, UK	1:1000
HO-1	abcam	Cambridge, UK	1:1000
p65	CST	Massachusetts, USA	1:1000
p-p65	CST	Massachusetts, USA	1:1000
β -actin	CST	Massachusetts, USA	1:2000