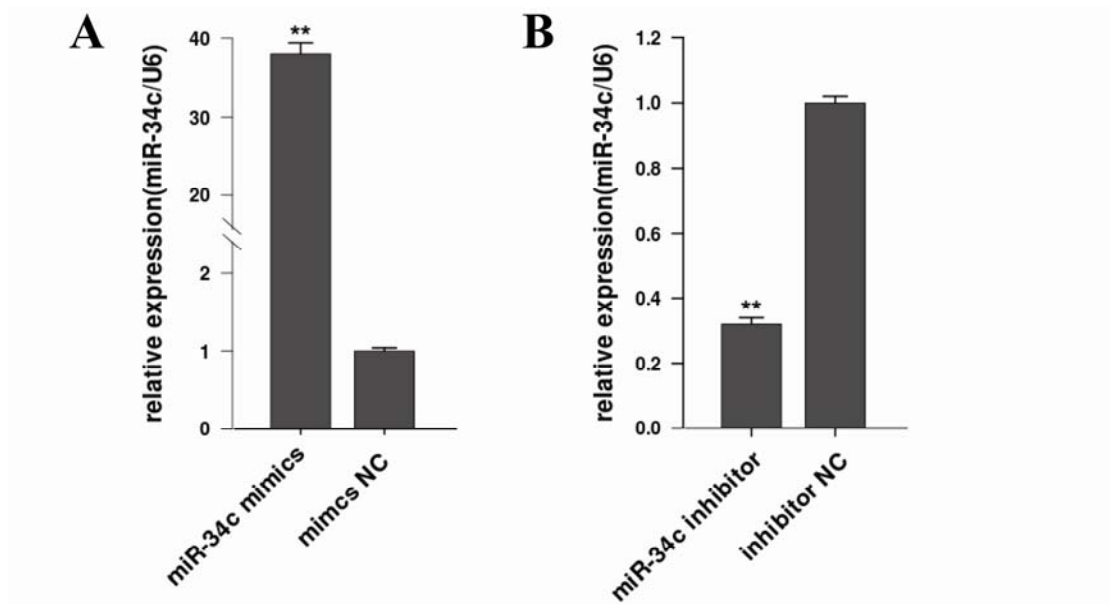


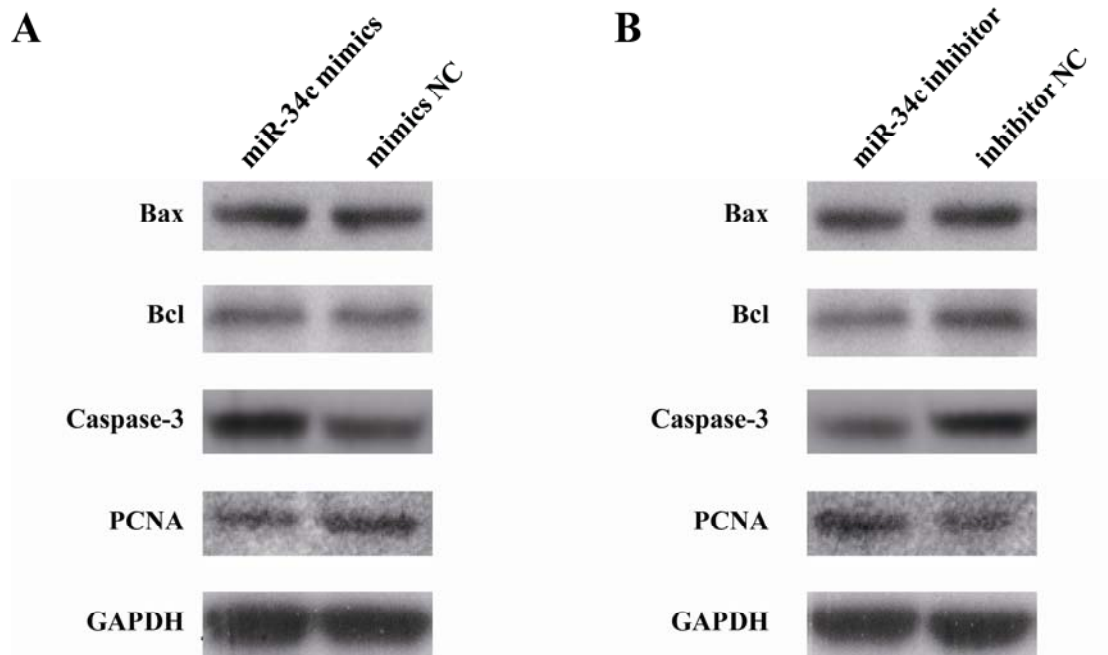
Appendix A Primers and miR-34c oligonucleotides

Gene	Prime or oligo (5'-3') ¹⁾
FoxO3a-WT-3'UTR	F: GCCTCGAGTGCTGCTGTTTGAATGTCC R: GCTCTAGAACAGGCTTAACGCTCACCT
FoxO3a-Mutant-3'UTR	F: TGTCCTACTCATA CGG AAATGCCACTA R: TAGTGGCATT TCGT ATGAGTGGACA
FoxO3a-CDS	F: GCCTCGAGATGGCAGAGGCGCCGGCCTC R: CGGGATCCTCAGCCTGGCACCCAGCTC
qRT-PCR-FoxO3a	F: GAAGAACTCTATCCGGCACA R: TGGTGTACTTGTGCTGTTGT
qRT-PCR-Bax	F: CCGAAATGTTTGCTGACG R: AGCCGATCTCGAAGGAAGT
qRT-PCR-Bcl	F: GAAACCCCTAGTGCCATCAA R: GGGACGTCAGGTCACTGAAT
qRT-PCR-Caspase3	F: GACTGTGGGATTGAGACG R: ACCCGAGTAAGAATGTGC
qRT-PCR-PCNA	F: CTCGCTTCGGCAGCACA R: GAGTGGAGTGGCTTTTGTA
qRT-PCR-GAPDH	F: ACGCCTGCCCTGTGTCCCAA R: GAAGCACGCCCTCTCGCCTC
qRT-PCR-miR-34c	F: AACTCCAGCTGGGAGGCAGTGTAGTTAGCTG R: CTCAACTGGTGTCTGTGGA
qRT-PCR-U6	F: CTCGCTTCGGCAGCACA R: CTCGCTTCGGCAGCACA
miR-34c mimics	AGGCAGUGUAGUUAGCUGAUUGC UCCGUCACAUCAUACGACUAACG
miR-34c mimics NC	UUUGUACUACACAAAAGUACUG AAACAUGAUGUGUUUUAUGAC
miR-34c inhibitor	GCAAUCAGCUAACUACACUGCCU

¹⁾Underlined text represents restriction enzyme site. Mutated nucleotides are marked in italics.



Appendix B. miR-34c expression after the transfection of miR-34c oligonucleotides. A qRT-PCR analysis of miR-34c expression increased 39-fold change after the transfection of 50 nM miR-34c mimics compared with mimics NC. B, qRT-PCR analysis of miR-34c expression decreased 0.32-fold change after the transfection of 100 nmol L⁻¹ miR-34c inhibitor compared with inhibitor NC. All data are presented as means±SEM (n=3). **P<0.01.



Appendix C. Effect of the miR-34c on the protein expression of apoptosis/proliferation marker genes. Western blotting analysis of four apoptosis/proliferation marker genes following transfection with (A) miR-34c mimics/mimics NC or (B) miR-34c inhibitor/inhibitor NC. GAPDH was used as an endogenous control.