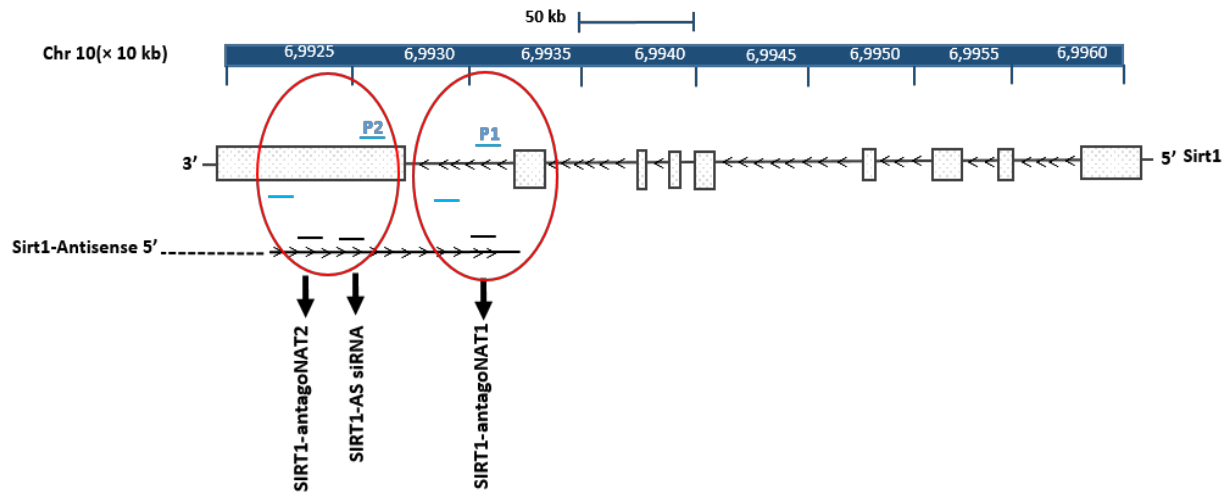
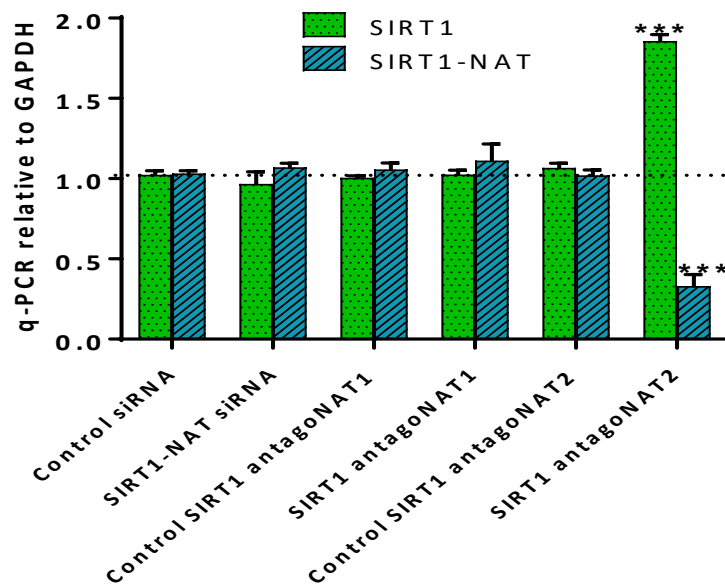


Supplementary Figure 1

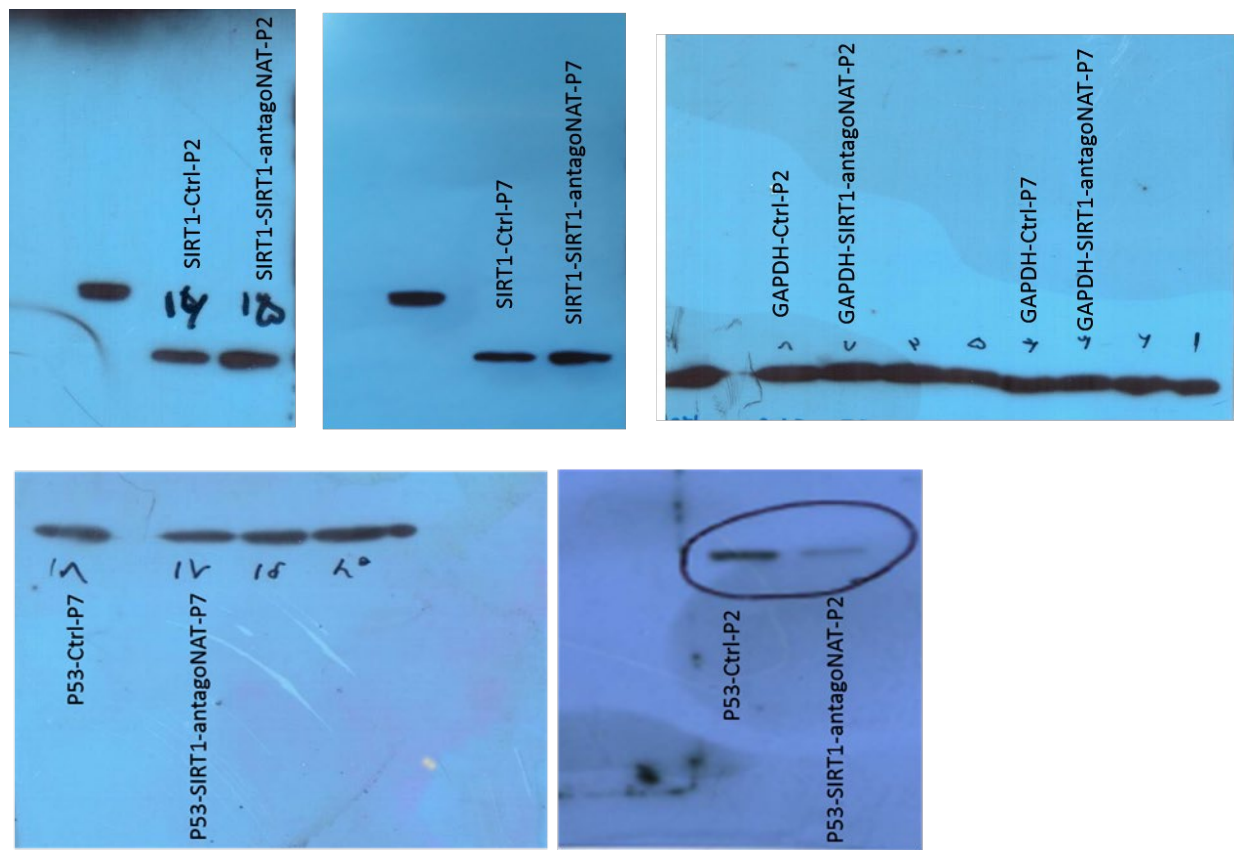


(A) AntagoNATs and siRNA complementary to the SIRT1-NAT sequence, targeting different regions of SIRT1-NAT transcript, were designed to knockdown SIRT1-NAT.



(B) The expression levels of SIRT1 mRNA and SIRT1-NAT were determined by quantitative real-time PCR 48 hours after transfection with oligonucleotides. Upregulation of SIRT1 mRNA was observed following treatment of cells with SIRT1-antagonAT2.

Supplementary Figure 2



Full length western blot images for figure 2B and figure 5B.

Supplementary Table 1: Sequence information

Primer name	Sequence	Application
SIRT1	F: GCAAAGGAGCAGATTAGTAGGC R: GTTACTGCCACAAGAACTAGAGG	Real-time PCR
SIRT1-NAT-1	F: AGGCACAGAGGTACACTTAC R: ATACAAGCAATACACTTAGTCCTG	Real-time PCR
SIRT1-NAT-2	F: ATTGGCTCATAAACTAACCTG R: GCATATTCACATTTTGGCAGT	Real time PCR
CD44	F: CAACAGTCGAAGAAGGTGTG R: TGGTCTGGAGTTTCTGACG	Real-time PCR
hTERT	F: TTCCTCAGCTATGCCCCGGACCT R: TGACACTTCAGCCGCAAGACCC	Real-time PCR
PPAR α	F: CATCACGGACACGCTTTC R: CGGTCGCACTTGTCATAC	Real-time PCR
PGC1 α	F: TGCGGGATGATGGAGAC R: GTGGAAGCAGGGTCAAAG	Real-time PCR
PPAR γ	F: TGGATCTCTCCGTAATGG R: GCACTTTGGTACTCTTGAAG	Real-time PCR
RUNX2	F: GCCTTCAAGGTGGTAGCCC R: CGTTACCCGCCATGACAGTA	Real-time PCR
ALPL	F: GCACCTGCCTTACTAACTC R: AGACACCCATCCCATCTC	Real-time PCR
OCN	F: CAAAGGTGCAGCCTTTGTGTC R: TCACAGTCCGGATTGAGCTCA	Real-time PCR
P16	F: AGCTGCTGCTGCTCCACGG R: ACCAGCGTGTCAGGAAGCC	Real-time PCR
P53	F: CTGGCTAGACGAAGACTCAG R: AGGCAGTGCTCGCTTGGTAC	Real-time PCR
GAPDH	F: TCTGACTTCAACAGCGACACC R: GTTGCTGTAGCCAAATTCGTT	Real-time PCR
SIRT1-NAT siRNA	Sense: GCCAUUUUAUUGUAUCUUUG dTdT Antisense: CAAAGAUACAAUAAAUGGC dTdT	Blocking
SIRT1-antagoNAT1	AAAUACCUAUCACUGUGGU	Blocking
SIRT1-antagoNAT2	AGAAACATTAGTGCCUG	Blocking