

Supplementary Table S2: siRNA sequences and qPCR primers used in this study

Gene Target	Sequence ^a	Source
AKT1 (human, mouse)	S: 5'-CGCGUGACCAUGAACGAGUUU[dT][dT]-3' AS: 5'-AAACUCGUUCAUGGUCACGCG[dT][dT]-3'	Sigma-Aldrich
AKT2 (human)	S: 5'-GACCCAACACCUUUGUCAUAC[dT][dT]-3' AS: 5'-GUAUGACAAAGGUGUUGGGUC[dT][dT]-3'	Sigma-Aldrich
Akt2 (mouse) #2	S: 5'-GGGCCAAAGUGACCAUGAAUGACUU[dT][dT]-3' AS: 5'-AAGUCAUUCAUGGUCACUUUGGCC[dT][dT]-3'	Zhang <i>et al.</i> (84)
Akt2 (mouse) #3	S: 5'-CCACUGGCCGCUAUUAUGCCAUGAA[dT][dT]-3' AS: 5'-UUCAUGGCAUAAUAGCGGCCAGUGG[dT][dT]-3'	Zhang <i>et al.</i> (84)
AKT3 (human)	S: 5'-CCAAAGCCAAACACAUUUUAUA[dT][dT]-3' AS: 5'-UAUAAAUGUGUUUGGCUUUGG[dT][dT]-3'	Sigma-Aldrich
SMAD4 (human, mouse) #96	S: 5'-ACUGCUAAAUUCUAUGUUAAA[dT][dT]-3' AS: 5'-UUUAACAUAAGAAUUUAGCAGU[dT][dT]-3'	pGIPZ shRNA V2LHS_37196 ^b
SMAD4 (human, mouse) #95	S: 5'-GCGGUCUUUGUACAGAGUUAC[dT][dT]-3' AS: 5'-GUAACUCUGAUCAAAGACCGC[dT][dT]-3'	pGIPZ shRNA V2LHS_37195
Smad4 (mouse) #28	S: 5'-GCAGACAGAAACUGGAUUAACUC[dT][dT]-3' AS: 5'-GAGUUUAAUCCAGUUUCUGUCUGC[dT][dT]-3'	Ding <i>et al.</i> (47)
Smad4 (mouse) #29	S: 5'-CCUGAGUAUUGGUGUCCAUUCUC[dT][dT]-3' AS: 5'-GAGAAUGGAACACCAUACUCAGG[dT][dT]-3'	Ding <i>et al.</i> (47)
Negative Control	S: 5'-AGUGUCCUUGCUGAACGAC[dT][dT]-3' AS: 5'-GUCGUUCAGCAAGGACACU[dT][dT]-3'	Sigma-Aldrich
b-actin (mouse)	F: 5'-CAGCTGAGAGGGAAATCGTG-3' R: 5'-CGTTGCCAATAGTGATGACC-3'	Havens <i>et al.</i> (51)
Alu (human)	F: 5'-CATGGTGAAACCCCGTCTCTA-3' R: 5'-GCCTCAGCCTCCCGAGTAG-3'	

^a, S- sense strand; AS- anti-sense strand; F- forward; R- reverse

^b, siRNA sequence derived from Dharmacon shRNA clone.

