

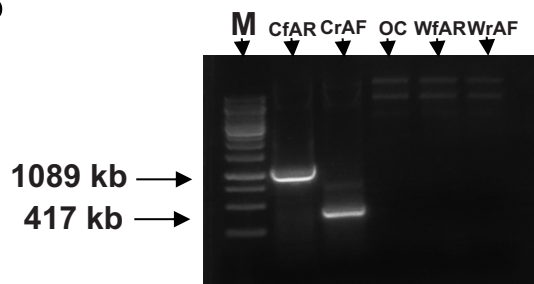
Supplementary Information **S-2**: List of all the primers used in the study and figure depicting the confirmation of the mutant AKT-S129D by PCR method.

S-2a

List of all the primers used in the study:

Symbol	Purpose	Sequence
<i>huAKT1</i>	Cloning	AF_5'- TATGAATTCACCATGAGCGACGTGGCTATTGTGAAGGAGGG-3' AR_5' - GGCCGTGCCGCTGGCCGAGTAGGAGAAGTGGGGGAAGTG- 3'
<i>p27/Kip1</i>	qRT-PCR	F_5' – TAATTGGGGCTCCGGCTAACT – 3' R_5' – TTGCAGGTCGCTTCCTTATTC – 3'
<i>p21/Waf1/Cip1</i>	qRT-PCR	F_5' – GCAGACCAGCATGACAGATT – 3' R_3' – GGATTAGGGCTTCCTCTTGA – 3'
<i>Bim</i>	qRT-PCR	F_5' – CTGCTGTCTCGATCCTCCAGT – 3' R_5' – GTCGTAAGATAACCATTTCGTGGG – 3'
<i>PHLPP2</i>	qRT-PCR	F_5' – CCAGTTGGAACAGGCTGACG – 3' R_5' – CCAGTGCAGGAAGGACATGG – 3'
<i>PML</i>	qRT-PCR	F_5' – GATCTCTGCGCTGATGTCG – 3' R_5' – AACATCTTCTGCTCCAACCC – 3'
<i>VEGF</i>	qRT-PCR	F_5' – TGCAGATTATGCGGATCAAACC – 3' R_5' – TGCATTACATTTGTTGTCTGTAG – 3'
<i>huAKT1-S129D</i>	SDM	F_5' – GGCTCACCCAGTGACAACGATGGGGCTGAAGAGATGGAG – 3' R_5' – CTCCATCTTTCAGCCCCATCGTTGCTACTGGGTGAGCC – 3'
<i>huAKT1-S129D</i>	SDM-confirmation	Cf_5' – GGGCTCACCCAGTGACAACGAT – 3' Cr_5' – ACCTCCATCTTTCAGCCCCATC – 3'
<i>huAKT1-S129D</i>	SDM-confirmation	Wf_5' – GTCGGGCTCACCCAGTGACAACGAT – 3' Wr_5' – CACCTCCATCTTTCAGCCCCCTGA – 3'

S-2b



M - Marker
 CfAR - PCR with Cf primer and AR primer pairs
 CrAF - PCR with Cr primer and AF primer pairs
 OC - Original wild-type construct
 WfAR - PCR with Wf and AR primer pairs
 WrAF - PCR with Wr and AF primer pairs