Supplementary Information

1	a catgggaga caataa cacataa cct caa aa aa t caatatga ag ct caa aa t aa gt att aa ct aa t t gt t t a ct a c
79	atctttaaaaaacttcgttacaaataataaaaaatattcatagcttggagttatctagaaaaaatcttagcaaataagaga
157	gtttgtagaatttgaggtaatcaatcaagtaaactgtgtc ATG GCTTCAGGTAGTTTCAAAAAGGGTTCTGAGGCAAC
1	M A S G S F K K G S E A T
235	AGAGACAAATGAACCTTTCAAACGGCAAGGCTCATTGCGAAAAGTTCTTCCTCCTAAACAATATGGAGAATCAATGCT
14	ETNEPFKRQGSLRKVLPPKQYGESML
313	TAGCATGTCTGCCAAAATGATCGAACGTCCACAACAATCTTCTTCGCAAACAAGTCTTTACAAGCAAG
40	SMSAKMIERPQQSSSQTSLYKQAYSP
391	ATTCTTCCAAGAGTATAGTATAATGAGTGAATACAACCTACTGACTAAGAAATGTCTTCCAGGGCTCTATGTTATGCC
66	F F Q E Y S I M S E Y N L L T K K C L P G L Y V M P
469	CTCCGCTTCTTCTCCTTTATTATGGTTTGGTGTATTGTTCATCAAAAAAGGGCTCTATCATGGAGGTATCTTTCGTTT
92	SASSPLLWFGVLFIKKGLYHGGIFRF
547	CAATTTGGAAACTCCCGAGACCTTTCCTGATTGCACATGTCCGAAAGTTGTATTCGAGTCTAAAGTCTTCCATCCTAG
118	N L E T P E T F P D C T C P K V V F E S K V F H P S
625	TATAGACATTGCAACTGGCGAAGTTTTCTTGAATCAAACATTTCCGGAGTGGAAGAAAGA
144	I D I A T G E V F L N Q T F P E W K K D V N H L W Q
703	AATACTTGAACACGTATTGCAGTTGTTTCTCAGCATTGACGTCAAGGATGCAGTCAACCAAGAAGCATCTATCT
170	I L E H V L Q L F L S I D V K D A V N Q E A S I S M
781	GTGA acgatatggatgccttcgtcaaccgagtgaaagagagtgtagactcttctcagaataatttgttcgacgaacqaaccgaaccgaaccgaaccgaaccgaaccgaaccgaaccgaaccgaaccgaaccgaac
196	*
859	acgt caagt gatcct act at ctccg at t caat caa
937	cgaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa

Figure S1. The nucleotide and deduced amino acid sequences of *NlAKTIP*. The deduced amino acid sequence is shown below the cDNA sequence. The start and stop codons are shown in boldface, and an asterisk represents the position of the stop codons.

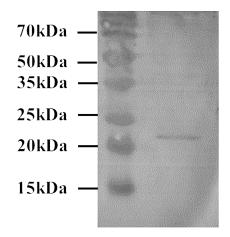


Figure S2. Test of the AKTIP antibody specificity. The polyclonal rabbit antibody is generated by PolyExpressTM Antibody Service.

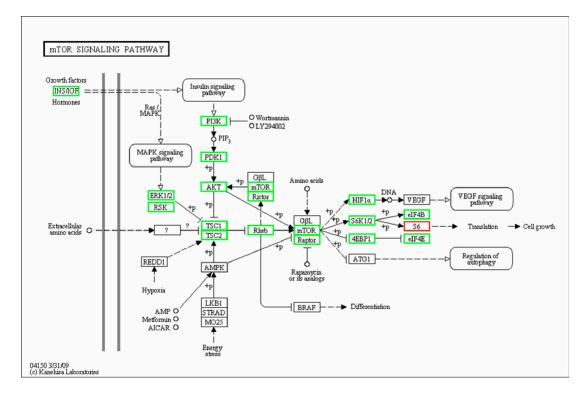


Figure S3. Gene expression profile of the insulin/AKT/mTOR signaling pathway in BPH. Boxes highlighted in green correspond to down-regulated genes, while the red box indicates up-regulated genes in the Rh colony compared with the Tn colony. Solid line and black arrows represent for directly stimulatory modification; Dotted line with black arrow represent for indirectly stimulatory modification; Dotted line with white arrow represent for translocation.