Figure S1. Image of the reference sequence of survivin (CR541740.1) in NCBI-BLAST and the cognate primer sites.

NIH National Library of Medicine National Center for Biotechnology Information					
Nucleotide	Nucleotide				
GenBank -	Adva	seed to a			

Homo sapiens full open reading frame cDNA clone RZPDo834G0429D for gene BIRC5, baculoviral IAP repeat-containing 5 (survivin); complete cds, incl. stopcodon

GenBank: CR541740.1 FASTA Graphics

ORIGIN

N 1 atgggtgccc cgacgttgcc ccctgcctgg cagcctttc tcaaggacca ccgcatctt 61 acattcaaga actggcctt cttggagggc tgcgcctgca ccccggagcg gatggccgag 121 gctggcttca tccactgccc cactgagaac gagccag<mark>act tggcccagtg tttctt</mark>ctgc 181 ttcaaggagc tggaaggctg gaggccaga 241 tcgtccg<mark>glt gcgctttcct ttctgtc</mark>aag aagcagtttg aagaattaac ccttggtgaa 301 tttttgaaac tggacagga aagggccaag aacaaaattg caaaggaaac caacaataag 361 aagaagaat ttgaggaaac tgtgaagaaa gtggccgt ccatcgagca gctggctgcc 421 atggattga

survivin Primer Forward (sense) primer: 5'-ACT TGG CCC AGT GTT TCT T-3' Reverse (antisense) primer: 5'-GAC AGA AAG GAA AGC GCA AC-3'

Figure S2. Image of the reference sequence of XIAP (BC032729.1) in NCBI-BLAST and the cognate primer sites. XIAP, X-Linked inhibitor of apoptosis.

NIH National Library of Medicine					
Nucleotide	Nucleotide	ced			
GenBank -		Send to: -			
Homo sapie	ens X-linked inhibito	or of apoptosis, mRNA (cDNA clone MGC:45369			

IMAGE:5532247), complete cds

GenBank: BC032729.1

FASTA Graphics

1 ccaegegtee ggeegegggg cagtteggge eggetgteet ggegegaaaa ggtggacaag 61 tootatttto aagagaagat gaottttaac agttttgaag gatotaaaac ttgtgtacot 121 gcagacatca ataaggaaga agaatttgta gaagagttta atagattaaa aacttttgct 181 aattttccaa gtggtagtcc tgtttcagca tcaacactgg cacgagcagg gtttctttat 241 actigatigaag gagataccgt gcggtgcttt agttgtcatg cagctgtaga tagatggcaa 301 tatggagact cagcagttgg aagacacagg aaagtateee caaattgeag atttateaac 361 ggcttttatc ttgaaaatag tgccacgcag tctacaaatt ctggtatcca gaatggtcag 421 tacaaagttg aaaactatct gggaagcaga gatcattttg ccttagacag gccatctgag 481 acacatigcag actatetttt gagaaetiggg caggttigtag atatateaga eaceatatae 541 ccgaggaacc ctgccatgta tagtgaagaa gctagattaa agtcctttca gaactggcca 601 gactatgete acetaaceee aagagagtta geaagtgetg gactetaeta cacaggtatt 661 ggtgaccaag tgcagtgctt ttgttgtggt ggaaaactga aaaattggga accttgtgat 721 cgtgcctggt cagaacacag gcgacacttt cctaattgct tctttgtttt gggccggaat 781 cttaatattc gaagtgaatc tgatgctgtg agttctgata ggaatttccc aaattcaaca 841 aatetteeaa gaaateeate eatggeagat tatgaageae ggatetttae ttttgggaea 901 tagatatact casttaacaa ssascasctt scaasascts satttatsc tttasstgaa 961 ggtgataaag taaagtgctt tcactgtgga ggagggctaa ctgattggaa gcccagtgaa 1021 gaccettggg aacaacatge taaa<mark>tggtat ccagggtgea aatate</mark>tgtt agaacagaag 1081 ggacaagaat atataaacaa tatt<mark>cattta actcattca</mark>c ttgaggagtg tctggtaaga 1141 actactgaga aaacaccatc actaactaga agaattgatg ataccatctt ccaaaatcct 12D1 atggtacaag aagctatacg aatgggggttc agtttcaagg acattaagaa aataatggag 1261 gaaaaaattc agatatctgg gagcaactat aaatcacttg aggttctggt tgcagatcta 1321 gtgaatgete agaaagacag tatgeaagat gagteaagte agaetteatt acagaaagag 1381 attastacts aasascasct aasscsccts caasassaa asctttscaa aatctstats 1441 gatagaaata ttgctatcgt ttttgttcct tgtggacatc tagtcacttg taaacaatgt 1501 gctgaagcag ttgacaagtg tcccatgtgc tacacagtca ttactttcaa gcaaaaaatt 1621 atgtgtgatg tgaactgact ttaagtaatc aggattgaat tocattagca tttgctacca 1681 agtaggaaaa aaaaatgtac atggcagtgt tttagttggc aatataatct ttgaatttct 1441 gatagaaata ttgctatcgt ttttgttcct tgtggacatc tagtcacttg taaacaatgt 1501 getgaageag ttgacaagtg teecatgtge tacacagtea ttaettteaa geaaaaaatt 1621 atgtgtgatg tgaactgact ttaagtaatc aggattgaat tccattagca tttgctacca 1681 agtaggaaaa aaaaatgtac atggcagtgt tttagttggc aatataatct ttgaatttct 1741 tgatttttca gggtattagc tgtattatcc atttttttt actgttattt aattgaaacc 1801 atagactaag aataagaagc atcatactat aactgaacac aatgtgtatt catagtatac 1861 tgatttaatt tctaagtgta agtgaattaa tcatctggat tttttattct tttcagatag 1921 gettaacaaa tggagettte tgtatataaa tgtggagatt agagttaate teeccaatea 1981 cataatttgt tttgtgtgaa aaaggaataa attgttccat gctggtggaa agatagagat

XIAP Primer Forward (sense) primer: 5'–<mark>TGG TAT CCA GGG TGC AAA TAT C</mark>–3' Reverse (antisense) primer: 5'–<mark>GTT CTT ACC AGA CAC TCC TCA AG</mark>–3'

Figure S3. Image of the reference sequence of GAPDH (BC083511.1) in NCBI-BLAST and the cognate primer sites.

NIH National Library of Medicine National Center for Biotechnology Information						
Nucleotide	Nucleotide	Advanced				
GenBank -						Send to: -

Homo sapiens glyceraldehyde-3-phosphate dehydrogenase, mRNA (cDNA clone MGC:88685 IMAGE:3536969), complete cds

GenBank: BC083511.1

FASTA Graphics

ORIGIN

113						
1	gtcagccgca	tcttctttg	cgtcgccagc	cgagccacat	cgctcagaca	ccatggggaa
61	ggtgaaggtc	ggagtcaacg	gatttggtcg	tattgggcgc	ctggtcacca	gggctgcttt
121	taactctggt	aaagtggata	ttgttgccat	caatgacccc	ttcattgacc	tcaactacat
181	ggtttacatg	ttccaatatg	attccaccca	tggcaaattc	catggcaccg	tcaaggctga
241	gaacgggaag	cttgtcatca	atggaaatcc	catcaccatc	ttccaggagc	gagatccctc
301	caaaatcaag	tggggcgatg	ctggcgctga	gtacgtcgtg	gagtccactg	gcgtcttcac
361	caccatggag	aaggctgggg	ctcatttgca	gggggggggcc	aaaagggtca	tcatctctgc
421	cccctctgct	gatgccccca	tgttcgtcat	gggtgtgaac	catgagaagt	atgacaacag
481	cctcaagatc	atcagcaatg	cctcctgcac	caccaactgc	ttagcacccc	tggccaaggt
541	catccatgac	aactttggta	tcgtggaagg	actcatgacc	acagtccatg	ccatcactgc
601	cacccagaag	actgtggatg	gcccctccgg	gaaactgtgg	cgtgatggcc	gcggggctct
661	ccagaacatc	atccctgcct	ctactggcgc	tgccaaggct	gtgggcaagg	tcatccctga
721	gctgaacggg	aagctcactg	gcatggcctt	ccgtgtcccc	actgccaacg	tgtcagtggt
781	ggacctgacc	tgccgtctag	aaaaacctgc	caaatatgat	gacatcaaga	aggtggtgaa
841	gcaggcgtcg	gagggccccc	tcaagggcat	cctgggctac	actgagcacc	ag <mark>gtggtctc</mark>
901	ctctgacttc	aacagcgaca	cccactcctc	cacctttgac	gctggggctg	gcattgccct
961	caacgaccac	tttgtcaagc	tcatttcctg	gtatgacaac	gaatttggct	acagcaacag
1021	<mark>g</mark> gtggtggac	ctcatggccc	acatggcctc	caaggagtaa	gacccctgga	ccaccagccc
1081	cagcaagagc	acaagaggaa	gagagagacc	ctcactgctg	gggagtccct	gccacactca
1141	gtcccccacc	acactgaatc	tcccctcctc	acagttgcca	tgtagacccc	ttgaagaggg
1201	gaggggccta	gggagccgca	ccttgtcatg	taccatcaat	aaagtaccct	gtgctcaacc
1261	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa			

GAPDH Primer

Forward (sense) primer: 5'–GTG GTC TCC TCT GAC TTC AAC–3', Reverse (antisense) primer: 5'–CCT GTT GCT GTA GCC AAA TTC–3' Figure S4. Effect of CAPE on the viability of the IHOK cell line. Cell viability was measured by trypan blue assay. The experiments were repeated twice. The graph reveals the representative data of two independent experiments. CAPE, caffeic acid phenethyl ester.



Figure S5. Decrease in XIAP levels after CAPE treatment over 24 h. The western blot images show the expression levels of XIAP. β -actin was used as a loading control. XIAP, X-Linked inhibitor of apoptosis; CAPE, caffeic acid phenethyl ester.



Figure S6. Dose-dependent effect of CAPE on c-PARP induction in FaDu and SNU-1041 treated with 100 and 120 μ M (A) or 60-100 μ M (B) of CAPE. The western blot images show the expression levels of c-PARP. β -actin was used as a loading control. CAPE, caffeic acid phenethyl ester; c-PARP, cleaved poly(ADP-ribose) polymerase.

