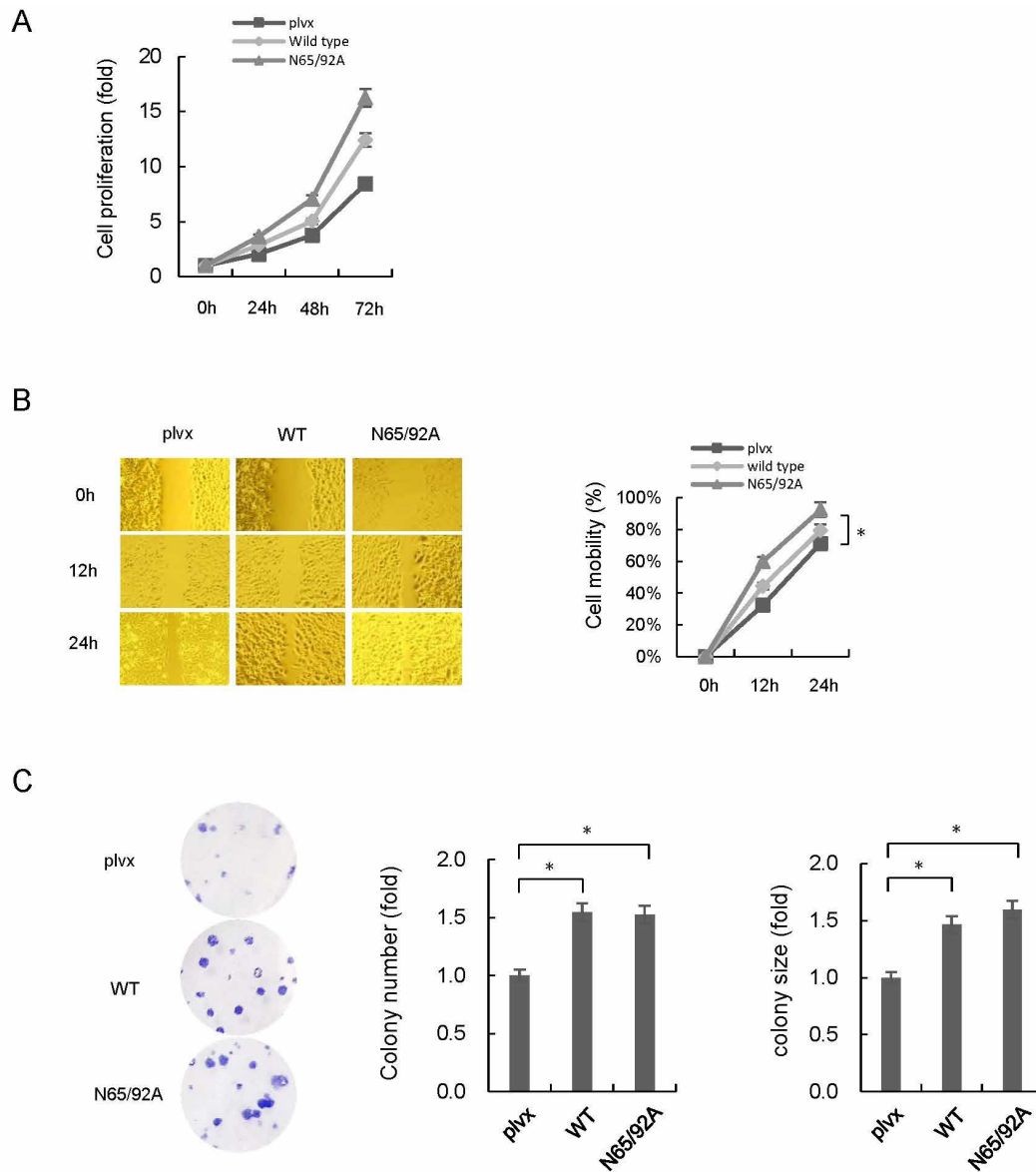


**Table S1** Information of primary antibodies used in this study

Antibody	Vendor	Catalog No.
BST-2	Proteintech	13560-1-AP
p65	Proteintech	10745-1-AP
I $\kappa$ B $\alpha$	Cell Signaling Technology	9242S
p-I $\kappa$ B $\alpha$	Cell Signaling Technology	9246S
AKT	BBI Life Science	D160001
p-AKT	BBI Life Science	D155156
ERK1/2	BBI Life Science	D160317
p-ERK1/2	BBI Life Science	D151580
$\beta$ -tubulin	Beijing Ray Antibody Biotech	RM2003
HA tag	Invitrogen	71-5500
Myc tag	Millipore	05-724

**Table S2** Oligonucleotides used for qRT-PCR

Gene	Oligonucleotides (5'→3')
<i>BST-2</i>	F: ACGCGTCTGCAGAGGTG R: GGCCCAGCAGCACAAAT
<i>GAPDH</i>	F: TGCACCACCAACTGCTTAGC R: GGATGGACTGTGGTCATGAG
<i>EDEM1</i>	F: TCCTTAAAGGGGAAGCGAGCC R: AGCGCTCGCCATTGCATGGT
<i>EDEM2</i>	F: AGTGGTTGAAGTGCTCCAGGA R: CAGCCTCTACTTCCACCCCA
<i>EDEM3</i>	F: GGCTTGGTGGCTTCGGGAAA R: ACATTGCTGGACGCTGGTGG
<i>Bcl-xL</i>	F: CGTGGAAAGCGTAGACAAGGA R: AGAGTGAGCCCAGCAGAACC
<i>CIAP2</i>	F: CTTTTGCTGTGATGGTGGACTC R: TCTCCTGGGCTGTCTGATGTG
<i>FLIP</i>	F: ACCCTCACCTTGTTTCGGACT R: TGCCTCGGCCCATGTAAT
<i>Livin</i>	F: GTCAGTTCCTGCTCCGGTCA R: GCTGCGTCTTCCGGTTCTT
<i><math>\beta</math>-Actin</i>	F: ACCGAGCGCGGCTACAG R: CTTAATGTCACGCACGATTTCC
<i>HMBS</i>	F: GGCAATGCGGCTGCAA R: GGGTACCCACGCGAATCAC



**Figure S1** N-glycosylation of BST-2 involves HCC tumorigenesis in L02 cells. (A) Cell proliferation of L02:WT, L02:N65/92A, and control cells was measured by CCK8. (B) Cell migration of L02:WT, L02:N65/92A, and control cells was measured and quantified by wound healing assays. (C) Colony formation of L02:WT, L02:N65/92A, and control cells was measured and quantified. The results are reported as the mean  $\pm$  SD of three independent experiments. ns, no significance; \*,  $P < 0.05$ ; \*\*,  $P < 0.01$ .