

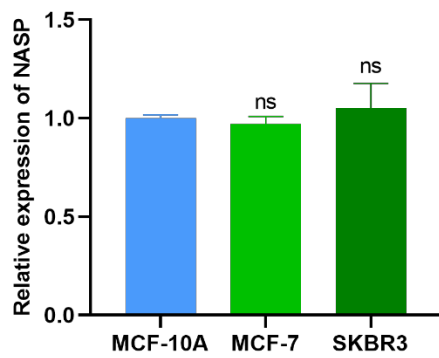


Figure S1. NASP expression in luminal (MCF-7) and Her2+ (SKBR3) breast cancer cells detected by RT-qPCR.

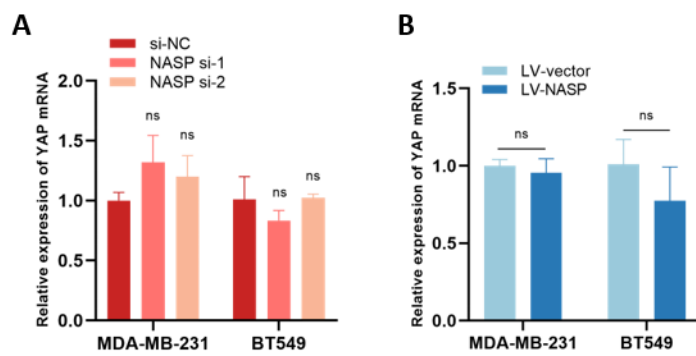
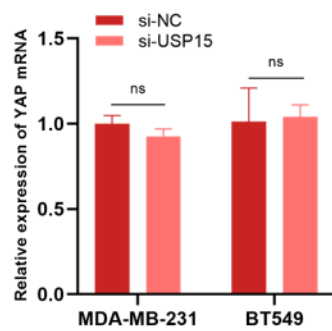


Figure S2. NASP did not affect the expression of YAP mRNA in TNBC. **A** The effect of interfering NASP on the expression of YAP mRNA. **B** The effect of overexpressing NASP on the expression of YAP mRNA. ns: no significance.

A

Bait	Hit	Bait Organism	Hit Organism	Experimental Evidence Code
YAP1	USP15	H. sapiens	H. sapiens	Affinity Capture-MS
Bait	Hit	Bait Organism	Hit Organism	Experimental Evidence Code
NASP	USP15	H. sapiens	H. sapiens	Co-fractionation

B



C

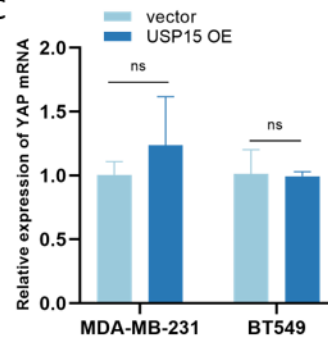


Figure S3. USP15 did not affect the expression of YAP mRNA in TNBC. **A** The potential interactions between YAP and USP15, NASP and USP15 predicted in BioGRID database. **B** The effect of interfering USP15 on the expression of YAP mRNA. **C** The effect of overexpressing USP15 on the expression of YAP mRNA. ns: no significance.

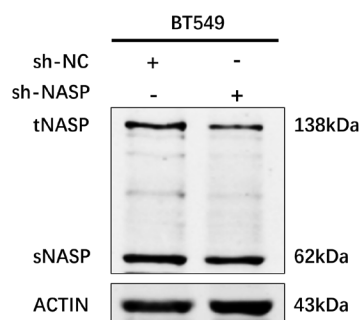


Figure S4. The knockdown efficiency of sh-NASP in BT549 cells.

Table S1. The sequences of siRNAs.

siRNAs	Sequences (5'-3')
si-NC sense	UUCUCCGAACGUGUCACGUTT
si-NC anti-sense	ACGUGACACGUUCGGAGAATT
NASP si-1 sense	GGAAAUACACUUCUGGAGUUTT
NASP si-1 anti-sense	AACUCCAGAAGUGAUUUCCTT
NASP si-2 sense	GAUCGUCUGCUGAAUACAATT
NASP si-2 anti-sense	UUGUAUUCAGCAGACGAUCTT
si-SRSF1 sense	GCUGAUGUUUACCGAGAUGTT
si-SRSF1 anti-sense	CAUCUCGGUAAACAUCAGCTT
si-USP15 sense	AGTCGCTGGTTCAAACAGTTT
si-USP15 anti-sense	ACUGUUUGAACCAGCGACUTT
si-YAP sense	GCGUAGCCAGUUACCAACATT
si-YAP anti-sense	UGUUGGUAACUGGCUACGCTT

Table S2. The Sequences of primers.

Primers	Sequences (5'-3')
NASP-Forward	GAAAACTATGTGCAAGCTGTGG
NASP-Reverse	ACTGAGAGTTGTACCCATAAGCC
YAP-Forward	TAGCCCTGCGTAGCCAGTTA
YAP-Reverse	TCATGCTTAGTCCACTGTCTGT
USP15-Forward	CGACGCTGCTCAAAACCTC
USP15-Reverse	TCCCATCTGGTATTTGTCCCAA
SRSF1-Forward	ATTCCTGCCCCAACCAAACC
SRSF1-Reverse	TGCTCCAGCGTTTATCTCCA
ACTB-Forward	GATCATTGCTCCTCCTGAGC
ACTB-Reverse	ACTCCTGCTTGCTGATCCAC