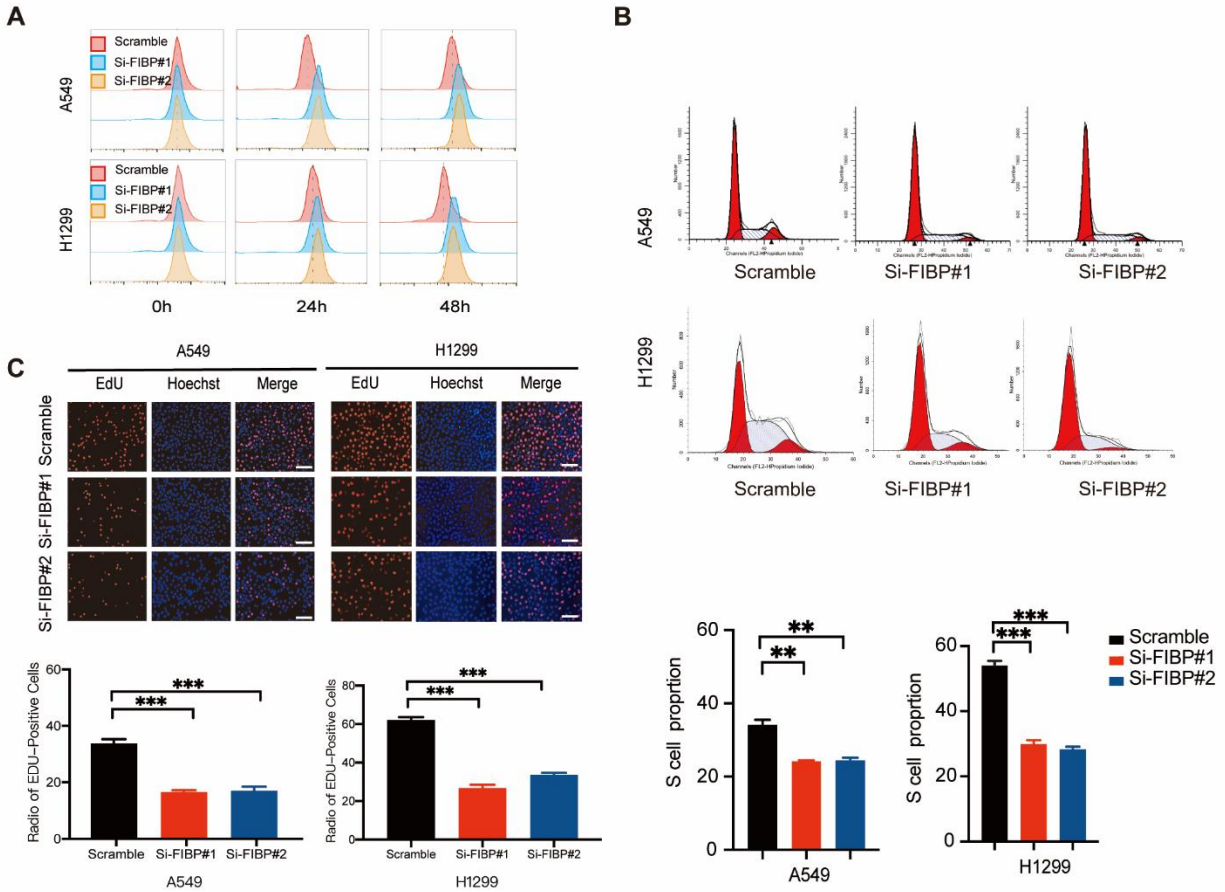
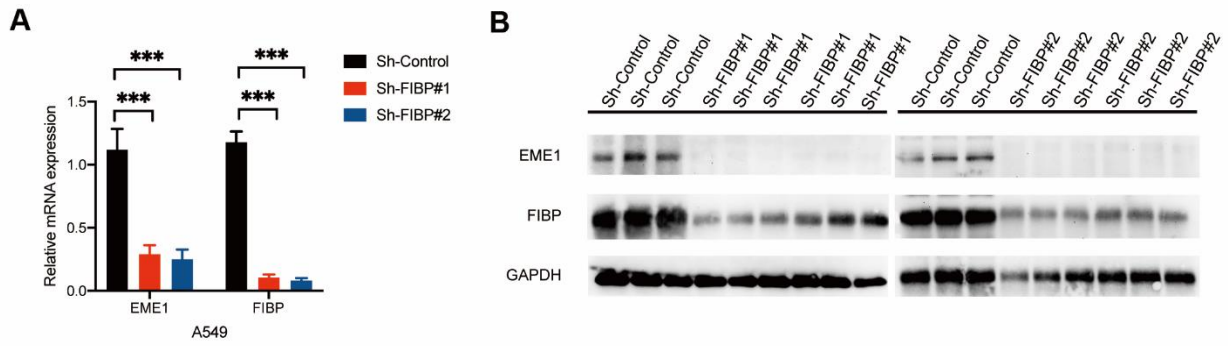


**Fig. S1. (A)** FIBP expression profile across multiple TCGA tumor and paired normal tissues. **(B)** FIBP protein levels in a human lung adenocarcinoma tissue microarray containing 82 paired lung adenocarcinoma and adjacent lung tissues.



**Fig. S2. FIBP silencing inhibits non-small cell lung cancer cell proliferation.** (A) CFSE was used to evaluate the proliferation ability of lung cancer cells. (B) FIBP downregulation reduced the population of S phase cells.  $**P < 0.01$ ,  $***P < 0.001$ . (C) The percentage of EdU-positive cells in FIBP-depleted lung cancer cells was decreased.  $***P < 0.001$ .



**Fig. S3. The mRNA and protein expression of FIBP and EME1 in the animal model. (A)**

Real-time PCR analysis showed the mRNA expression of FIBP and EME in xenograft tumors (n

= 6). \*\*\*P < 0.001. **(B)** Immunoblot analysis of FIBP and EME1 protein levels in xenograft tumors

(n = 6).

**Supplemental Table S1.** Primers Sequences used for Real-time PCR

Genes	Sequences (5'-3')
BLM	F: CAGACTCCGAAGGAAGTTGTATG R: TTTGGGGTGGTGTAAACAAATGAT
BRIP1	F: CTTACCCGTCACAGCTTGCTA R: CACTAAGAGATTGTTGCCATGCT
RAD54L	F: AGGCAGGTCCTGTGATGATGA R:TCAAAGGTTTCCGAAAAGGAGAC
POLD1	F: ATCCAGAACTTCGACCTTCCG R:ACGGCATTGAGCGTGTAGG
EME1	F: TTCCAGCCTACCTGTCTA R: TTTCTTTCCTGTCTTCTCA
FIBP	F: CTTCAGATTCCGCCCTCC R: AGCACCTCCCGAACAAAGG
GAPDH	F: GGAGCGAGATCCCTCCAAAAT R: GGCTGTTGTCATACTTCTCATGG

<sup>a</sup> F, forward primer; R, reverse primer.

**Supplementary Table S2.** Primers Sequences used for ChIP PCR

Numbers	Sequences (5'--3')
#1	F: CTACAGAGAAAGGACCCACCC R: CGTGAGTGAGGGCGTTTGA
#2	F: TCTTCAAACGCCCTCACTCA R: GAGGGGAAGTGTGTGGGGTA
#3	F: GATCAGTGTCACCTCCTTCCC R: AATGGGACGCAGTAGTCAGA
#4	F: CACCCCGCTCTGACTACTG R: TTTCGAGACCGGAAGTGAGT
#5	F: CCATGCTTTCGATCACTCACTTC R: ACTTCTCCCGCCACTCTTTCA
#6	F: AAGAGTGGCGGGAGAAGTTG R: CTCCTGGACACCTTAGCCAC
#7	F: ACACCGCTCTGCAGAATCTT R: GCAAATCAGGGGAGTGGGAC
#8	F: GTCCCACTCCCCTGATTTC R: GGCACACAGCTGGCTAAGTA

F, forward primer; R, reverse primer.