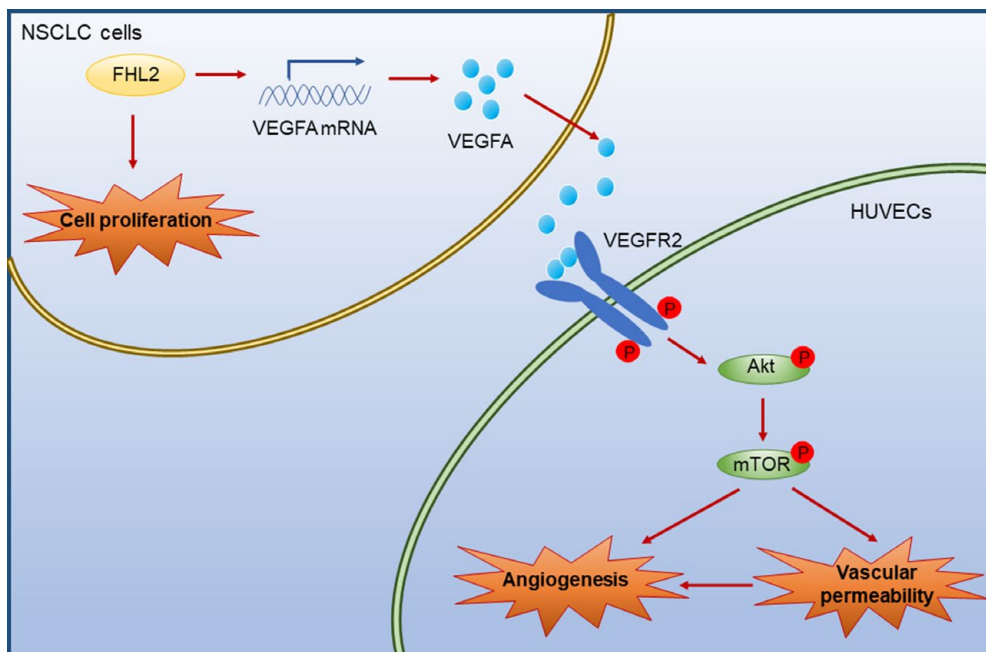


**Figure S1** The expression of *FHL2* and CD146. (A) *FHL2* mRNA expression in A549 and H226 cells upon transfection with Flag-*FHL2* plasmids. (B) *FHL2* mRNA expression in A549 and H226 cells upon transfection with siRNA targeting *FHL2*. (C) Positive correlation between *FHL2* and CD146 mRNA expression in NSCLC tissues from TCGA database. \*\*\*,  $P < 0.001$ . *FHL2*, four-and-a-half LIM-domain protein 2; CM, conditioned medium; TPM, transcript per million; TCGA, The Cancer Genome Atlas; mRNA, messenger RNA; NSCLC, non-small cell lung cancer.



**Figure S2** Schematic diagram of the proposed underlying mechanisms involved in *FHL2*-induced NSCLC proliferation, angiogenesis, and vascular permeability. NSCLC, non-small cell lung cancer; *FHL2*, four-and-a-half LIM-domain protein 2; VEGFA, vascular endothelial growth factor A; HUVEC, human umbilical vein endothelial cell; mRNA, messenger RNA.

**Table S1** The primers for qPCR

Gene	Primers
<i>FHL2</i>	F: GAGGGGTCACCTACCGGGA R: TTAAAGCAGTCGTTATGCCACT
<i>VEGFA</i>	F: TTGCTGCTCTACCTCCACCAT R: GGTGATGTTGGACTCCTCAGTG
<i>VEGFB</i>	F: CCGGAAGCTGCGAAGGTGACA R: GGGAGACAAGGGATGGCAGAAGAG
<i>VEGFC</i>	F: AGCTCGGATGTCCGGTTTC R: GCGTTCCCACTTTGCAG
<i>VEGFD</i>	F: GCAGCCCTAGAGAAACGTG R: AGGTGCTGGTTCATACAGAT
<i>FGF</i>	F: AGAAGAGCGACCCTCACATCA R: CGGTTAGCACACACTCCTTTG
<i>PGF</i>	F: GTTCAGCCCATCCTGTGTCT R: AACGTGCTGAGAGAACGTCA
<i>MMP2</i>	F: AATCCCACCAACCCTCAGAG R: GTGCCCTCTTGAGACAGTCT
<i>CXCL9</i>	F: AAGCAGCCAAGTCGGTTAGT R: CAGCAGTGTGAGCAGTGATTC
<i>THBS1</i>	F: GTCATACAACACTCCCACGC R: CCAGGGCATAGGTAGAAGCT
<i>β-actin</i>	F: CACGAAACTACCTTCAACTCC R: CATACTCCTGCTTGCTGATC

qPCR, quantitative polymerase chain reaction.