

FBP1 in lung cancer

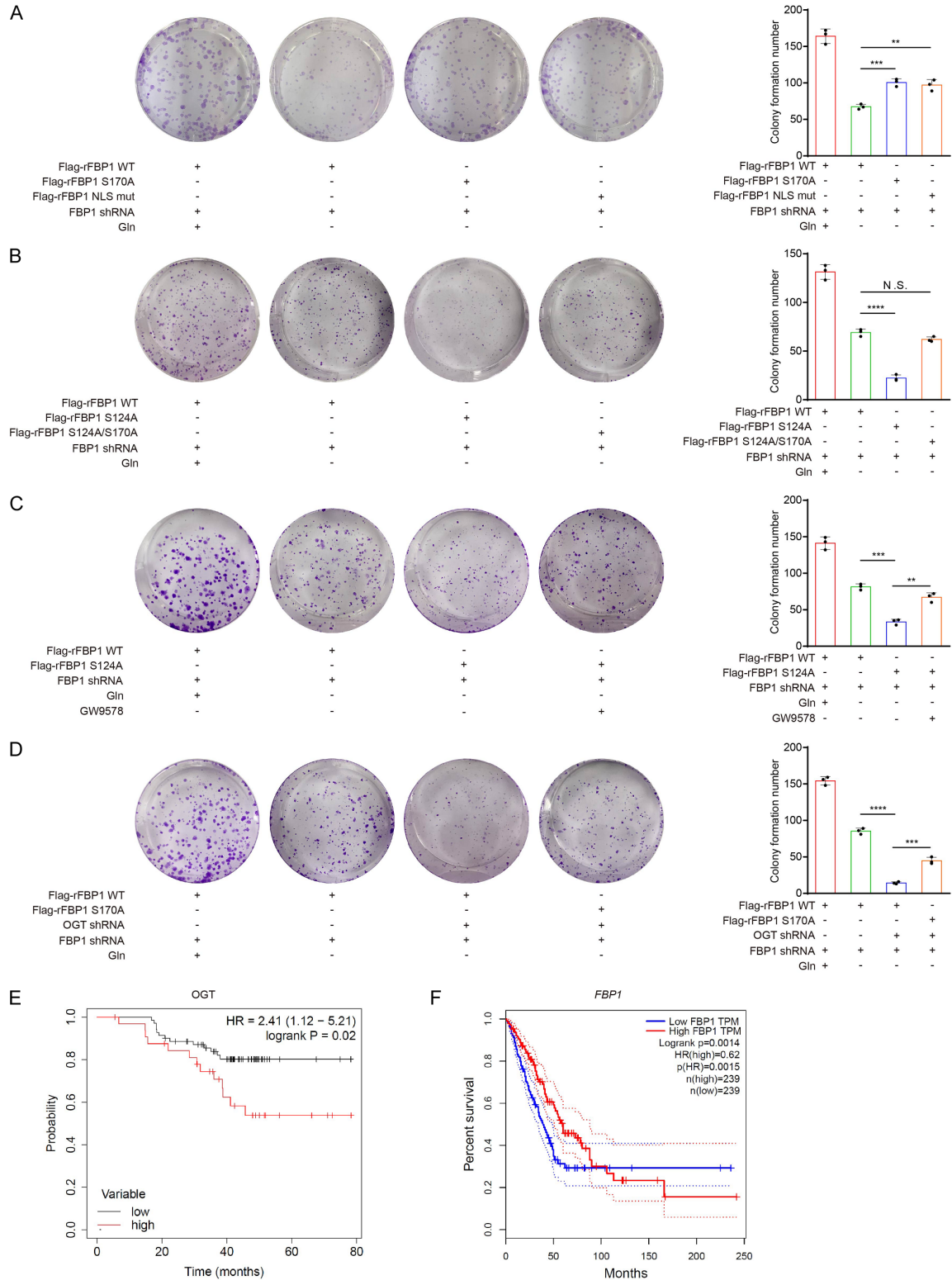


Figure S1. A. BEAS-2B cells with depleted endogenous FBP1 and reconstituted expression of the indicated Flag-rFBP1 proteins were treated with or without low concentration of glutamine (0.4 mM). Colony-formation assay was performed. Left: representative images are shown. Right: colony number per well was quantified. Data represent the means \pm SD of three independent experiments. * $P < 0.05$; ** $P < 0.01$; *** $P < 0.001$; **** $P < 0.0001$ by two-tailed Student's t test; N.S.: not significant by two-tailed Student's t test. B. A549 cells with depleted endog-

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enous FBP1 and reconstituted expression of the indicated Flag-rFBP1 proteins were seeded treated with or without low concentration of glutamine (0.4 mM). Colony-formation assay was performed. Left: representative images are shown. Right: colony number per well was quantified. Data represent the means \pm SD of three independent experiments. *P < 0.05; **P < 0.01; ***P < 0.001; ****P < 0.0001 by two-tailed Student's t test; N.S.: not significant by two-tailed Student's t test. C. A549 cells with depleted endogenous FBP1 and reconstituted expression of the indicated Flag-rFBP1 proteins were treated with or without low concentration of glutamine (0.4 mM) and GW9578 (100 nM). Colony-formation assay was performed. Left: representative images are shown. Right: colony number per well was quantified. Data represent the means \pm SD of three independent experiments. *P < 0.05; **P < 0.01; ***P < 0.001; ****P < 0.0001 by two-tailed Student's t test; N.S.: not significant by two-tailed Student's t test. D. A549 cells with depleted endogenous FBP1 and reconstituted expression of the indicated Flag-rFBP1 proteins with or without OGT shRNA expression were treated with or without low concentration of glutamine (0.4 mM). Colony-formation assay was performed. Left: representative images are shown. Right: colony number per well was quantified. Data represent the means \pm SD of three independent experiments. *P < 0.05; **P < 0.01; ***P < 0.001; ****P < 0.0001 by two-tailed Student's t test; N.S.: not significant by two-tailed Student's t test. E. Analysis of the protein levels of OGT and the prognosis of LUAD patients was performed. F. Analysis of the mRNA levels of *FBP1* and the prognosis of LUAD was performed based on TCGA database (<http://gepia.cancer-pku.cn/>).