

## Captions

Fig. S1 Construct and identification of FNBP1 shRNA vector. A. pGenesil-1 plasmid. B. Restriction map of shRNA vectors. M: DNA marker; 1: pGenesil-1; 2: Si-1; 3: Si-1 digested with Sall; 4: Si-2; 5: Si-2 digested with Sall; 6: Si-3; 7: Si-3 digested with Sall; 8: NC; 9: NC digested with Sall. C. The partial sequence of recombinant shRNA plasmid. a: recombinant plasmid Si-1; b: recombinant plasmid Si-2; c: recombinant plasmid Si-3.

Fig.S2 Quantification of western blots in the manuscript. A. Quantification of the blots in Fig.1A and Fig.2A. B. Quantification of the blots in Fig. 2A. C. Quantification of the blots in Fig. 2B. D. Quantification of the blots in Fig. 3A. E. Quantification of the blots in Fig. 4A. F. Quantification of the blots in Fig. 5A

Fig. S3 Recover from FNBP1 silence. The relative quantification of FNBP1 expression, cell adhesion and contact area was determined as the following equation:  $\text{Relative quantification (\%)} = \text{FNBP1}_{\text{si}} / \text{FNBP1}_{\text{control}} \times 100\%$ . The red group represented the relative expression of FNBP1 mRNA, the green one represented the relative adhesion capability of HeLa cells and the yellow one represented the relative cell contact area.