Supplementary Figures Legend

Supplementary Figure 1.

(A) Cell lysates of SNU1041 and SNU1076 cell lines were immunoprecipitated with a c-Met antibody, and the immunoprecipitates were probed with c-Met and P-cadherin antibodies. (B) cell lysates were immunoprecipitated with a P-cadherin antibody, and the immunoprecipitates were probed with P-cadherin and c-Met antibodies.

Supplementary Figure 2.

YD8 and SCC25 cells were transfected with P-cadherin siRNAs or negative control siRNA for 48h. (A, B) P-cadherin protein levels were assessed by western blot analysis. (C, D) Cell proliferation was analyzed using the WST-1 assay. (E, F) Cells were allowed to migrate for 48h in transwell chambers (Cell Migration) (G, H) P-cadherin protein levels were assessed by western blot analysis after P-cadherin overexpression vector was transiently transfected into YD8 and SCC25 cells. After P-cadherin overexpression, Cell proliferation was analyzed using the WST-1 assay (I, J) and cell migration assay was conducted (K, L). Data were presented as mean ± SD of three independent experiments. Differences were considered relevant at $p < 0.05$ (* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$).

Supplementary Figure 3.

FaDu cells were transfected with P-cadherin siRNAs or negative control siRNA for 48h. (A) P-cadherin protein levels were assessed by western blot analysis. (B) Cell counting assessed using a hemocytometer. (C) Colony formation assays were conducted. (D) Cells were allowed to migrate for 48h in transwell chambers (Cell Migration). (E) P-cadherin protein levels were assessed by western blot analysis after P-cadherin overexpression vector was transiently transfected into FaDu cells. (F) Cell counting assessed using a hemocytometer. (G) Colony formation assays were conducted. (H) Cell migration assay was conducted. Data were presented as mean ± SD of three independent experiments. Differences were considered relevant at $p < 0.05$ (* $p < 0.05$, ** $p < 0.01$).

Supplementary Figure 4.

FaDu cells were transfected with P-cadherin siRNAs or negative control siRNA for 48h. (A) The expression of proteins, including p-FAK, p-Src, and E-cadherin was evaluated by western blot analysis. (B) After P-cadherin overexpression, the expression of proteins, including p-FAK, p-Src, and E-cadherin was evaluated by western blot analysis. (C, D) FaDu cells were transfected with c-Met siRNAs and c-Met overexpression vector or negative control for 48h. The expression of proteins, including p-c-Met, total c-Met, P-cadherin, p-STAT3, total STAT3 was examined by western blot analysis. (E) FaDu cells were transfected with P-cadherin siRNA or negative control siRNA in time-dependent manner. To examine the levels of various proteins, western blot analysis was conducted. Data were presented as mean ± SD of three independent experiments. Differences were considered relevant at $p < 0.05$ (* $p < 0.05$, ** $p < 0.01$).

Supplementary Figure 5.

FaDu cells were treated with siRNA targeting P-cadherin, SU11274 (5μM) or a combination of siRNA targeting P-cadherin and SU11274. (A) The expression of proteins, including P-cadherin, phospho-c-Met, and c-Met was evaluated by western blot analysis. (B) Colony formation assay was conducted. (C) Cell migration assay was conducted. FaDu cells were treated with P-cadherin siRNA, c-Met siRNA or a combination of P-cadherin siRNA and c-Met siRNA. (D) The expression of proteins, including P-cadherin, phospho-c-Met, and c-Met was evaluated by western blot analysis. (E) Cell proliferation assay (WST-1 assay) was conducted. (F) Cell migration assay was conducted. Data were presented as mean ± SD of three independent experiments. Differences were considered relevant at $p < 0.05$ (* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$).