**Cell Line Authentication Statement**

All cell lines utilized in this investigation were initially authenticated and screened for mycoplasma contamination (Suppl. Fig. 1). The cell lines Nthy-ori3-1, TPC-1, and CAL-62 were purchased from a reputable supplier. Upon receipt, they were subjected to mycoplasma testing to ensure their sterility. The results of these tests confirmed that all cell lines were negative for mycoplasma contamination, as detailed below:

Nthy-ori3-1: Mycoplasma-freeA

TPC-1: Mycoplasma-free

CAL-62: Mycoplasma-free

We are committed to upholding the highest standards of research integrity and transparency.



**Supplementary Fig 1. Mycoplasma contamination testing of all cell lines used in this study.** The cell lines Nthy-ori3-1, TPC-1, CAL-62, and NPA87 were tested by Polymerase Chain Reaction (PCR). Negative and positive controls were included. All tested cell lines were confirmed to be free of mycoplasma contamination.

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**Supplementary Fig. 2. K-Analysis of patient survival based on *ITGA2* expression levels**

(A) Disease-free survival curves for groups with different *ITGA2* expression levels. Blue indicates the low expression group, and red indicates the high expression group. *P*-value is 0.029, HR is 1.9, and *p*(HR) is 0.032.

(B) Overall survival curves for groups with different *ITGA2* expression levels. Blue indicates the unchanged group, and red means the *ITGA2* expression is greater than in the 2 group. *P*-value is 0.996.