



**Figure S1. The expressions of Rab27a in human tumors and adjacent normal tissues.** The differential expression of Rab27a between tumor and adjacent normal tissues was investigated in all TCGA tumors using Gene\_DE module of TIMER2.0 (<http://timer.comp-genomics.org/>). The distribution of Rab27A expression levels is shown using box plots. Statistical significance is annotated with the number of stars calculated by the Wilcoxon test (\*:  $p$ -value  $< 0.05$ ; \*\*:  $p$ -value  $< 0.01$ ; \*\*\*:  $p$ -value  $< 0.001$ ). If there is comparable normal tissue exist, it is displayed as gray columns.

**Table S1.** List of details for the antibodies and chemicals.

material	vendor	catalog#
Minimal essential medium (MEM)	Welgene (Gyeongsangbuk-do, Korea)	#LM007-07
Dulbecco's modified Eagle's medium (DMEM)	Welgene (Gyeongsangbuk-do, Korea)	#LM001-05
RPMI 1640 medium	Welgene (Gyeongsangbuk-do, Korea)	#LM011-01
fetal bovine serum (FBS)	Welgene (Gyeongsangbuk-do, Korea)	#S001-03
penicillin-streptomycin solution	Welgene (Gyeongsangbuk-do, Korea)	#LS202-02
Dulbecco's phosphate-buffered saline	Welgene (Gyeongsangbuk-do, Korea)	#LB001-02
Matrigel	BD Biosciences (San Jose, CA, USA)	#354234
Rab27a	Cell Signaling Technology (Beverly, MA, USA)	#69295
snail family transcriptional repressor 1 (SNAI1/Snail)	Cell Signaling Technology (Beverly, MA, USA)	#3789
snail family transcriptional repressor 2 (SNAI2/Slug)	Cell Signaling Technology (Beverly, MA, USA)	#9585
zinc finger E-box-binding homeobox 1 (Zeb1)	Cell Signaling Technology (Beverly, MA, USA)	#3396
focal adhesion kinase (FAK)	Cell Signaling Technology (Beverly, MA, USA)	#13009
pFAK (Y397)	Cell Signaling Technology (Beverly, MA, USA)	#8556
c-Jun N-terminal kinases (JNK)	Cell Signaling Technology (Beverly, MA, USA)	#9252
pJNK (T183/Y185)	Cell Signaling Technology (Beverly, MA, USA)	#9255
p38	Cell Signaling Technology (Beverly, MA, USA)	#9212
pp38 (T180/Y182)	Cell Signaling Technology (Beverly, MA, USA)	#4511
ERK	Cell Signaling Technology (Beverly, MA, USA)	#4659
pERK1/2 (T202/Y204)	Cell Signaling Technology (Beverly, MA, USA)	#4370
Myc-tag	Cell Signaling Technology (Beverly, MA, USA)	#2278
epidermal growth factor receptor (EGFR)	Cell Signaling Technology (Beverly, MA, USA)	#4267
synaptotagmin-like protein 4 (Slp4)	Santa Cruz Biotechnology (Dallas, TX, USA)	#sc-374544
fibronectin (FN)	Santa Cruz Biotechnology (Dallas, TX, USA)	#sc-8422
twist family BHLH transcription factor 1 (Twist1)	Abcam (Cambridge, MA, USA)	#ab50887
melanophilin (Mlph)	Abcam (Cambridge, MA, USA)	#ab112954

$\beta$ -actin	Sigma-Aldrich (St. Louis, MO, USA)	#A5316
cell lysis buffer (10 $\times$ )	Cell Signaling Technology (Beverly, MA, USA)	#9803
Myc-Tag (71D10) rabbit monoclonal antibody	Cell Signaling Technology (Beverly, MA, USA)	#2278
magnetic bead-conjugated Myc-Tag (9B11) mouse monoclonal antibody	Cell Signaling Technology (Beverly, MA, USA)	#5698
horseradish peroxidase (HRP)-conjugated anti-mouse IgG light chain-specific (D3V2A) antibody	Cell Signaling Technology (Beverly, MA, USA)	58802
HRP-conjugated anti-rabbit IgG antibody	Cell Signaling Technology (Beverly, MA, USA)	#7074
3 $\times$ loading buffer	Cell Signaling Technology (Beverly, MA, USA)	#7722
rabbit Rab27a	Cell Signaling Technology (Beverly, MA, USA)	#69295
rabbit pFAK	Cell Signaling Technology (Beverly, MA, USA)	#8556
rabbit Paxillin	Cell Signaling Technology (Beverly, MA, USA)	#12065
Mouse Rab27a	Santa Cruz Biotechnology (Dallas, TX, USA)	#sc-136996
mouse Slp4	Santa Cruz Biotechnology (Dallas, TX, USA)	#sc-374544
rabbit CD63	Santa Cruz Biotechnology (Dallas, TX, USA)	#sc-15363