

Supporting Information

Supplementary Tables

Supplementary Table 1. Primers for mouse target genes used in RT-PCR

Target gene		Base sequence (5' – 3')
<i>Igf2bp3</i>	Forward	CAATCAGAGACGGAGACTGT
	Reverse	GCTGCTTTACCTGAGTCAGA
<i>Snai2</i>	Forward	GACCTATTCTACGTTCTCTG
	Reverse	ACTCAGTGTGCCACACAGCA
<i>Gpc3</i>	Forward	GTCGCTCATGTCGAACATGA
	Reverse	TCACCAGAGCTTCCAATGCA
<i>Dlk1</i>	Forward	CTGCGTGATCAATGGTTCTC
	Reverse	CTGAACAGGCAGCTCGTGCA
<i>Birc5</i>	Forward	GCTGTACCTCAAGAACTACC
	Reverse	TTAGGCAGCCAGCTGCTCAA
<i>Gapdh</i>	Forward	ACCACAGTCCATGCCATCAC
	Reverse	TCCACCACCCTGTTGCTGTA

Igf2bp3, insulin-like growth factor 2 mRNA-binding protein 3; *Snai2*, snail family transcriptional repressor 2; *Dlk1*, protein delta homolog 1, *Gpc3*, glypican 3, *Birc5*, baculoviral IAP repeat containing 5; *Gapdh*, glyceraldehyde 3-phosphate dehydrogenase

Supplementary Table 2. Antibodies and pretreatment methods used in immunohistochemistry

Antibodies		Dilution ratio	Pretreatment
IGF2BP3	Rabbit polyclonal	1:3,200	Autoclave for 5 min
	(Proteintech, Rosemont, IL, USA)		
SNAI2	Rabbit monoclonal	1:100	Autoclave for 5 min
	(Cell Signaling, Danvers, MA, USA)		
GPC3	Mouse monoclonal	1:400	Autoclave for 5 min
	(Merck, Darmstadt, Germany)		
DLK1	Rabbit polyclonal	1:800	Autoclave for 5 min
	(Proteintech, Rosemont IL, USA)		
BIRC5	Rabbit monoclonal	1:400	Autoclave for 5 min
	(Cell Signaling, Danvers, MA, USA)		

IGF2BP3, insulin-like growth factor 2 mRNA-binding protein 3; SNAI2, snail family transcriptional repressor 2; DLK1, protein delta homolog 1, GPC3, glypican 3, BIRC5, baculoviral IAP repeat containing 5

Supplementary Table 3. Antibodies used in western blotting

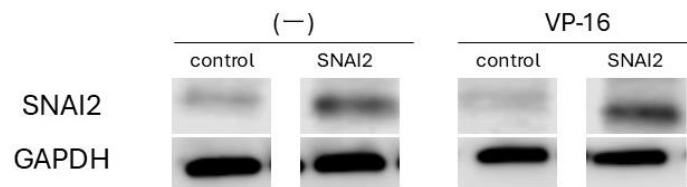
Antibodies	Type	Provider
IGF2BP3	Rabbit polyclonal	Proteintech, Rosemont, IL, USA
SNAI2	Rabbit monoclonal	Cell Signaling Technologies, Danvers, MA, USA
GPC3	Mouse monoclonal	Merck, Darmstadt, Germany
DLK1	Rabbit polyclonal	Proteintech, Rosemont, IL, USA
BIRC5	Rabbit monoclonal	Cell Signaling Technologies, Danvers, MA, USA
TP53(Trp53)	Mouse monoclonal	Cell Signaling Technologies, Danvers, MA, USA
CDKN1A	Mouse monoclonal	Santa Cruz Biotechnology, Dallas, TX, USA
GAPDH	Mouse monoclonal	Merck, Darmstadt, Germany

IGF2BP3, insulin-like growth factor 2 mRNA-binding protein 3; SNAI2, snail family transcriptional repressor 2; DLK1, protein delta homolog 1, GPC3, glypican 3, BIRC5, baculoviral IAP repeat containing 5; GAPDH, glyceraldehyde 3-phosphate dehydrogenase

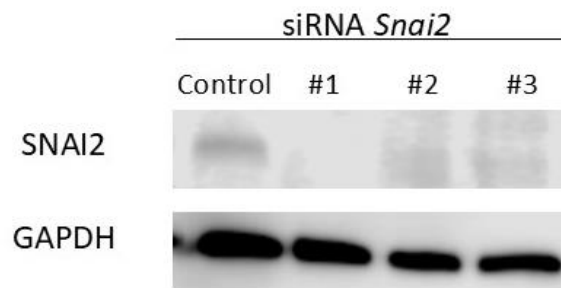
Supplementary Table 4. Sequences of siRNA

siRNA	siRNA ID	Sequence (5' - 3')	
		Sense	Antisense
<i>Snai2</i> #1	s73992	CUAUGAAAGUUACCCUAUAAtt	UAUAGGGUAACUUUCAUAGag
<i>Snai2</i> #2	s202009	GGAUCACAGUGGUUCAGAAtt	UUCUGAACCACUGUGAUCCtt
<i>Snai2</i> #3	s202010	GGAAAUCGUUCAGCUGCAAtt	UUGCAGCUGAACGAUUUCCta

Snai2, snail family transcriptional repressor 2



Supplementary Fig. 1 Confirmation of gene expression in L929 cells. L929 cells were transfected with an empty vector (control) and mSnai2 (*Snai2*) and the medium was replaced with medium with and without VP-16. After incubation, cell extracts were prepared and subjected to western blotting. GAPDH was used as a loading control. The protein level of the transfected gene increased after transfection regardless of VP-16 treatment. SNAI2, snail family transcriptional repressor 2; GAPDH, glyceraldehyde 3-phosphate dehydrogenase; VP-16, 10 μM VP-16 treatment; (-), no VP-16 treatment



Supplementary Fig. 2 Confirmation of siRNA-mediated knockdown

NIH3T3 cells were transfected with siRNA of *Snai2*. Cell extracts were prepared, and western blotting was performed. GAPDH was used as a loading control. The protein level of SNAI2 was reduced after siRNA transfection. *Snai2*, snail family transcriptional repressor 2; GAPDH, glyceraldehyde 3-phosphate dehydrogenase