

**Table S1. Primers**

Primer	Sequence (5'-3')
loxP5'_5F	CGCAGAACAATAGGTGCTGAAATTAC
loxP5'_5R	CTGACACTGAGAACCACAAACGGC
loxP3'_3F	CGGCTCAAAGCAGAGTGTCAGTC
loxP3'_3R	CCACAAC TTTCCCAGTTAGCTCTC
Ag2	CTGCTAACCATGTTTCATGCCT
Cre1	CCTGTTTTGCACGTTACCG
Cre3	ATGCTTCTGTCCGTTTGCCG
P21_F	TTGTCGCTGTCTTGCACTCT
P21_R	AATCTGTCAGGCTGGTCTGC
Cyclin D1_F	TCGTGGCCTCTAAGATGAAGGA
Cyclin D1_R	CCATTGTCAGCAGCTCCTC
Gapdh_F	GTGGAAGGGCTCATGACCA
Gapdh_R	GGATGCAGGGATGATGTTCT

**Table S2. Antibodies**

<b>Name (host)</b>	<b>Source</b>	<b>Application and dilution</b>
<b>PE-anti-<math>\beta</math>1 integrin (CD29) (rat)</b>	Biologend, #102207	FACS, 1:50
<b>Alexa 488 anti-insulin (sheep)</b>	Conjugated in house	FACS, 1:100
<b>Anti-<math>\beta</math>1 integrin (rat)</b>	Millipore, #MAB1997	IHC, 1:50
<b>Anti-<math>\beta</math>1 integrin (mouse)</b>	BD Transduction Laboratories, #610467	WB, 1:1000
<b>Anti-insulin (sheep)</b>	Binding Site, #PC059.X	IHC 1:1000
<b>Anti-glucagon (rabbit)</b>	Millipore, #AB932	IHC, 1:200
<b>Anti-BrdU (mouse)</b>	Sigma-Aldrich, #8434	IHC, 1:100
<b>Anti-phospho ERK1/2 (rabbit)</b>	Cell Signaling, #4370	WB, 1:500
<b>Anti-phospho S473-AKT (rabbit)</b>	Cell Signaling, #4060	WB, 1:500
<b>Anti-<math>\alpha</math>-tubulin (rabbit)</b>	Santa Cruz, #sc-5546	WB, 1:500
<b>Anti-PTEN (rabbit)</b>	Cell Signaling, #9552	WB, 1:200
<b>Anti-<math>\beta</math>-actin</b>	Sigma-Aldrich, #A1978	WB, 1:1000

IHC, immunohistochemistry; FACS, fluorescence-activated cell sorting; WB, western blot.