Table SI. Primers used for reverse transcription-quantitative PCR.

Gene	Forward (5'-3')	Reverse (5'-3')
h-GAPDH	GAAGGTGAAGGTCGGAGTC	GAAGATGGTGATGGGATTTC
h-CDK9	ACTTCTGCGAGCATGACCTT	AAAGTCTGCCAGCTTCAGGA
h-α-SMA	CTGGAGATGGTGTCACCCAC	GGAATAGCCACGCTCAGTCA
h-SM22α	CCGTGGAGATCCCAACTGG	CCATCTGAAGGCCAATGACAT
h-CNN1	ATGTCCTCTGCTCACTTC	ATACTTCTGGGCCAGCTTGTT
h-PCNA	CCTGAAGCCGAAACCAGCTA	TGAGTGCCTCCAACACCTTC
h-Twist1	ACCCAGTCGCTGAACGAG	CCAGACCGAGAAGGCGTA
Rat-GAPDH	AGACAGCCGCATCTTCTTGT	CTTGCCGTGGGTAGAGTCAT
Rat-Twist1	GTCGCTGAACGAGGCATT	CCAGACGGAGAAGGCGTA
Rat-CDK9	AGCTCTGTGGCTCCATCACT	AAGTCATGGTTGAGGGCATC
Rat-SM22α	CACCTATCCTCAGCCTCAGC	TTCAAAGGACATTGGCTTCC

α-SMA, α-smooth muscle actin; CDK9, cyclin-dependent kinase 9; CNN1, calponin 1; h-, human; PCNA, proliferating cell nuclear antigen; SM22α, transgelin.

Table SII. Details of antibodies used in western blot analysis.

Antibody	Supplier	Cat. no.	Dilution
CDK9	ABclonal Biotech Co., Ltd.	A0886	1:500
p-Ser2	Bethyl Laboratories, Inc.	A300-654A	1:1,000
α-SMA	Wuhan Boster Biological Technology, Ltd.	BM0002	1:500
Pol II	Santa Cruz Biotechnology, Inc.	sc-55492	1:500
GAPDH	ABclonal Biotech Co., Ltd.	A19056	1:2,000
KLF4	ABclonal Biotech Co., Ltd.	A13673	1:500
PCNA	CST Biological Reagents Co., Ltd.	13110S	1:500
OPN	ABclonal Biotech Co., Ltd.	A21084	1:500
SM22α	Proteintech Group, Inc.	60213-1-Ig	1:500
CNN1	ABclonal Biotech Co., Ltd.	A3734	1:500
Vimentin	Abcam	ab92547	1:1,000
Twist1	ABclonal Biotech Co., Ltd.	A3237	1:500
α-Tubulin	ABclonal Biotech Co., Ltd.	A6830	1:2,000
HRP-conjugated Goat anti-Rabbit IgG (H+L)	ABclonal Biotech Co., Ltd.	AS014	1:20,000
HRP-conjugated Goat anti-Mouse IgG (H+L)	ABclonal Biotech Co., Ltd.	AS003	1:20,000

α-SMA, α-smooth muscle actin; CDK9, cyclin-dependent kinase 9; CNN1, calponin 1; h-, human; KLF4, Krüppel-like factor 4; OPN, osteopontin; p-Ser2; phosphorylated-Pol II (Ser2); PCNA, proliferating cell nuclear antigen; Pol II, RNA polymerase II; SM22α, transgelin.

Table SIII. siRNA sequences.

siRNA	Sequence, 5'-3'
siTwist1-1#	Sense: AUGAUGCAGGACGUGUCCATT
	Antisense: UGGACACGUCCUGCAUCAUTT
siTwist1-2#	Sense: GGACGCAAGCGGCGCAGCATT
	Antisense: UGCUGCGCCGCUUGCGUCCTT
siTwist1-3#	Sense: AGUCUUACGAGGAGCUGCATT
	Antisense: UGCAGCUCCUCGUAAGACUTT
siTwist1-4#	Sense: GCAAGAUUCAGACCCUCAATT
	Antisense: UUGAGGGUCUGAAUCUUGCTT
siTwist1-5#	Sense: ACUCCAAGAUGGCAAGCUGTT
	Antisense: CAGCUUGCCAUCUUGGAGUTT
Negative control	Sense: UUCUCCGAACGUGUCACGUTT
	Antisense: ACGUGACACGUUCGGAGAATT
siCDK9-1#	Sense: GCUGCUAAUGUGCUUAUCATT
	Antisense: UGAUAAGCACAUUAGCAGCTT
siCDK9-2#[a]	Sense: CAAGAUCCUUCAGCUUCUATT
	Antisense: UAGAAGCUGAAGGAUCUUGTT

[a]siCDK9-1# was used for the experiments presented in the figures; siCDK9-2# was only tested in preliminary screening and not used in the main figures. CDK9, cyclin-dependent kinase 9; si, small interfering.

Table SIV. Primers used for chromatin immunoprecipitation-quantitative PCR.

Gene	Forward (5'-3')	Reverse (5'-3')
Rat-Twist1-P1	GCAGTCTTCTGAGAGCAGGG	CATCGTGGGGGCTATGGATC
Rat-Twist1-P2	ACTTTTCTTGCCTCTCCCGG	AAGTGACTGTAACCGCAGCA
Rat-Twist1-P3	GCCCAACTCTCAGACACCTC	CCGAGGTCCCAAGAGAGAGT