

Table SI. Primer sequences used for the reverse transcription-quantitative PCR assay.

Gene	Forward sequence (5'-3')	Reverse sequence (5'-3')
TWIST1	ACTTCCTCTACCAGGTCCTCCAG	CCTCCATCCTCCAGACCGAGAA
SNAI2	TGCCTGTCATACCACAACCAGA	GGAGGAGGTGTCAGATGGAGGA
ZEB1	ACCTGCCAACAGACCAGACAGT	ACATCCTGCTTCATCTGCCTGAG
FN1	CCGCCGAATGTAGGACAAGA	TGCCAACAGGATGACATGAAA
VIMENTIN	TGAACCTGAGGGAAACTAA	TCAAGGTCATCGTGATGCTG
CDH1	TCCCTTCACAGCAGAACTAACA	TCACCCACCTCTAAGGCCATC
SNAIL	ACCACTATGCCGCGCTCTT	GGTCGTAGGGCTGCTGGAA
ERN1	GGCGAACAGAATACACCATCACC	ACGTCCCAGATTCAGTGTCCAC
EIF2AK3	TGTCATCCAGCCTTAGCAAACCAG	TCCATGCTTTCACGGTCTTGGTG
XBP1	CAGCTCAGACTGCCAGAGATCGAA	TCCGCCTCCTCTTCAGCAACCA
TWIST2	CTCCAGCTCGCCCGTGTCCCC	GCTGCCCTTCTTGCCGCGCTT
ATF4	GGTTCTCCAGCGACAAGG	TCTCCAACATCCAATCTGTCC
ATF6	AACTTTCCGTGACTAAACCTGT	CCTTTAATCTCGCCTCTAACCC
CXCL8	GTCAGTGCATAAAGACATACTCAA	CAATAATTTCTGTGTTGGCGCAGT
CXCR1	TTTCTCCATAGCTGCCTCAACCC	CGATGACGTGCCAAGAACTCC
CXCR2	CCTGTCTTACTTTTCCGAAGGAC	TTGCTGTATTGTTGCCCATGT
ZEB2	CCTACTAATTCAGCCATTACCCAGT	CCACTAAACCCGTGTGTAGCCAT
CDH2	ACTGCACAGATGTGGACAGG	GTTCTTTATCCCGGCGTTTC
GAPDH	GAAGGTGAAGGTCGGAGTC	GAAGATGGTGATGGGATTTTC

Table SII. siRNAs targeting ERN1, PERK, ATF6 and CXCR1.

Name	Sequence (5'-3')
Si-ERN1-Sense	CCUUUCUCCCAGAUCCUAATT
Si-ERN1-Antisense	UUAGGAUCUGGGAGAAAGGTT
Si-ATF6-Sense	GUGAGCUACAAGUGUAUUATT
Si-ATF6-Antisense	UAAUACACUUGUAGCUCACTT
Si-PERK-Sense	GUAGCUGGAAUGACAUAUAATT
Si-PERK-Antisense	UUUAUGUCAUCCAGCUCACTT
si-CXCR1-Sense	UCGUGCCGCUGUUUGUCAUGCUGUUTT
si-CXCR1-Antisense	AACAGCAUGACAAACAGCGGCACGATT
Si-Control-Sense	UUCUCCGAACGUGUCACGUTT
Si-Control-Antisense	ACGUGACACGUUCGGAGAATT

siRNA, small interfering RNA; ERN1, endoplasmic reticulum to nucleus signaling 1; PERK, protein kinase R (PKR)-like endoplasmic reticulum kinase; ATF6, activating transcription factor 6; CXCR1, chemokine receptor 1.

Table SIII. Primer sequences used for overexpression plasmid.

Name	Forward sequence (5'-3')	Reverse sequence (5'-3')
ATF4	ATGACCGAAATGAGCTTCCTG	CTAGGGGACCTTTTCTTCC

Table SIV. Antibodies used for WB analysis and IHC analyses.

Antibody	Source	Company	Cat. no.	Dilution
XBP1s	Mouse	BioLegend, Inc.	647501	WB 1:1,000
ATF4	Rabbit	Chengdu Zen-Bioscience Co., Ltd.	R381426	WB 1:1,000
ATF6	Rabbit	Chengdu Zen-Bioscience Co., Ltd.	R26445	WB 1:1,000
CXCL8 (IL-8)	Rabbit	Affinity Biosciences	AF5146	WB 1:1,000,
CXCR1	Rabbit	Sangon Biotech Co., Ltd.	260229	WB 1:1,000; IHC 1:100
CXCR2	Rabbit	Sangon Biotech Co., Ltd.	260228	WB 1:1,000; IHC 1:100
ZEB1	Rabbit	Chengdu Zen-Bioscience Co., Ltd.	R382171	WB 1:1,000; IHC 1:100
SNAI2 (SLUG)	Rabbit	Chengdu Zen-Bioscience Co., Ltd.	350136	WB 1:1,000; IHC 1:100
SMAD2	Rabbit	Chengdu Zen-Bioscience Co., Ltd.	R25742	WB 1:1,000
SMAD3	Rabbit	Chengdu Zen-Bioscience Co., Ltd.	R25743	WB 1:1,000
p-SMAD2	Rabbit	Chengdu Zen-Bioscience Co., Ltd.	310079	WB 1:1,000; IHC 1:100
p-SMAD3	Rabbit	Chengdu Zen-Bioscience Co., Ltd.	680679	WB 1:1,000; IHC 1:100
AKT	Rabbit	Chengdu Zen-Bioscience Co., Ltd.	R23412	WB 1:1,000
p-AKT	Rabbit	Chengdu Zen-Bioscience Co., Ltd.	310021	WB 1:1,000
STAT3	Rabbit	Chengdu Zen-Bioscience Co., Ltd.	R22785	WB 1:1,000
p-STAT3	Rabbit	Chengdu Zen-Bioscience Co., Ltd.	381552	WB 1:1,000
$\beta$ -catenin	Rabbit	Abimat Pharmaceutical Technology (Shanghai) Co., Ltd.	PK02151	WB 1:1,000
ERN1	Mouse	Chengdu Zen-Bioscience Co., Ltd.	220399	WB 1:1,000
EIF2AK3	Rabbit	Chengdu Zen-Bioscience Co., Ltd.	R25331	WB 1:1,000
Goat anti-rabbit IgG HRP	Goat	Chengdu Zen-Bioscience Co., Ltd.	511203	WB 1:5,000; IHC 1:200
Goat anti-mouse IgG HRP	Goat	Chengdu Zen-Bioscience Co., Ltd.	511103	WB 1:5,000

WB, western blot; IHC, immunohistochemical; p-, phosphorylated, XBP1, X-box binding protein 1; ATF, activating transcription factor; CXCL, C-X-C motif chemokine ligand; CXCR, chemokine receptor; ERN, endoplasmic reticulum to nucleus signaling; EIF2AK3, as eukaryotic translation initiation factor 2 alpha kinase 3.

Table SV. Primer sequences used for dual-luciferase reporter plasmids.

Name	Forward sequence (5'-3')	Reverse sequence (5'-3')
CXCL8 (-112bp/+28bp)	GGGCCATCAGTTGCAAATCGT	GGGCCATCAGTTGCAAATCGT
CXCL8 (-22bp/+206bp)	CACCGGAGCACTCCATAAGGC	TTTGGAGTATGTCTTTATGCACT
CXCL8 (-181bp/+48bp)	TAATCACCAAATGTGGAGCTT	TTCTTCCTGGCTCTTGCCTA
CXCL8 (-100bp/+48bp)	AAATCGTGGAATTCCTCTGACA	GTTTCTTCCTGGCTCTTGCC
ZEB1 (-813bp/+47bp)	TGTGGGTATTACTATTCCGCTCT	GCCTGCTTTCTGCGCTTACAC
SNAI2 (-795bp/+101bp)	CGGTGGTTCCAAATGACAGTTACCT	CACGGCGGTCCCTACAGCATC
SNAI2 (-364bp/+101bp)	CCCTTCCTTCTCCTGGCGGACA	CACGGCGGTCCCTACAGCATC

CXCL, C-X-C motif chemokine ligand.