



Figure S1 Original images for blots or microscopy.

Table S1 The sequences of primers used in RT-qPCR

Gene	Forward primer	Reverse primer
<i>β-actin</i>	5'-TCATGAAGTGTGACGTGGACATC-3'	5'-CAGGAGGAGCAATGATCTTGATCT-3'
<i>CACNA1I</i>	5'-AACCTGTGCCTCGTTGTCAT-3'	5'-GATCTCCTCGTAGCAGTCGC-3'
<i>PKD1L1</i>	5'-TTCCGGCCACCTTGTACTC-3'	5'-CCATCGAGCCCTCTGATTCC-3'
<i>SLC24A2</i>	5'-CCAAGGAGACTACCCGAAAGA-3'	5'-CAGACAATGGCTAAGGCTATGAA-3'
<i>EGF</i>	5'-CATCCTCTCCCTCTGAAATAC-3'	5'-ACAGAATCTCAACACATGCTAGT-3'
<i>LOX</i>	5'-TTCCAGTACGGTCTCCAG-3'	5'-TGGCCAGACAGTTTTCTCC-3'
<i>AGT</i>	5'-CCCCAGTCTGAGATGGCTC-3'	5'-GACGAGGTGGAAGGGGTGTA-3'
<i>CNGB3</i>	5'-CAAACCACAGCACAGGAAGAAA-3'	5'-GAGGGTCAGGGTTTGTGGTC-3'
<i>F5</i>	5'-CGAGGAATACAGAGGGCAGC-3'	5'-GGGGTCATCACGTTTCACCT-3'

RT-qPCR, reverse transcription-quantitative polymerase chain reaction.

Table S2 Details of antibodies

Name	Brand	Number	Dilution rate
<i>β-actin</i>	Sangon Biotech	D110001	1:1,000
<i>CNGB3</i>	Affinity	DF9420	1:1,000
<i>GAPDH</i>	Sangon Biotech	D110016	1:5,000
<i>MHC-I</i>	Proteintech	15240-1-AP	1:1,000

Table S3 Sequences of the siRNAs

Name	Species	Forward	Reverse
si-CNGB3-1	Human	GCAAAGUCGACUUGUJUCAAGG	UUGAACAAGUCGACUUUGCUG
si-CNGB3-2	Human	GCAUAUAUCUACAGAGUUUAUU	UAACUCUGUAGAUUAUGCUU
si-NC	Human	UUCUCCGAACGUGUCACGUTT	ACGUGACACGUUCGGAGAATT

siRNAs, small interfering RNAs.