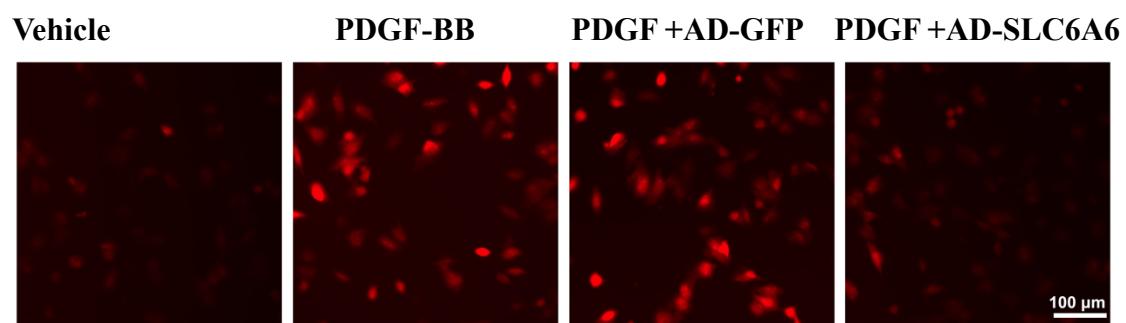


SLC6A6 suppresses vascular smooth muscle cell proliferation, migration and neointima formation via Wnt/β-catenin signaling

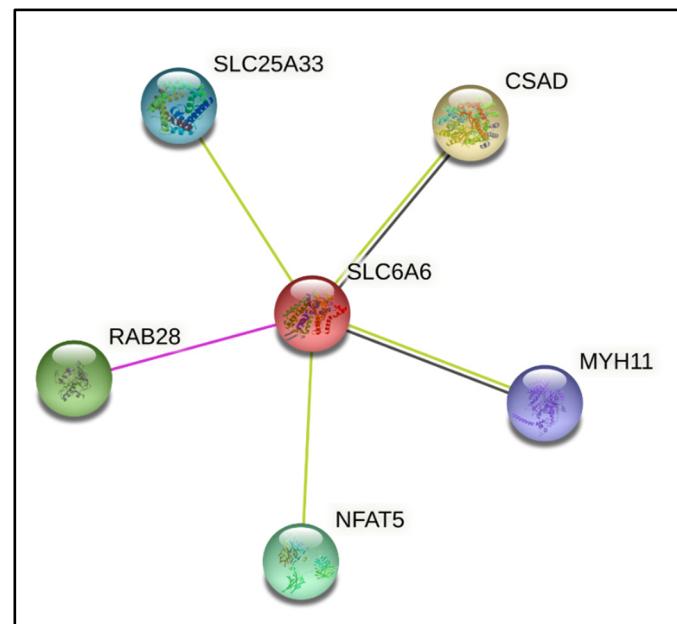
Supplement

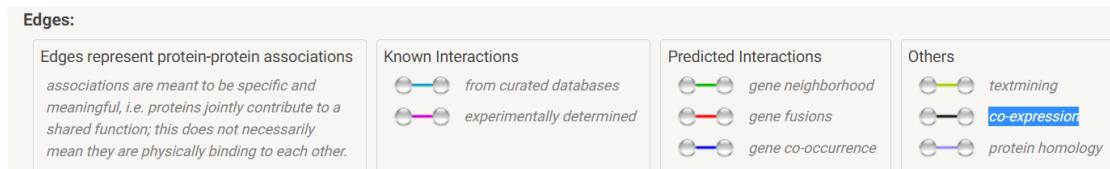
Supplementary Figure 1



SLC6A6 prevented PDGF-BB-induced ROS production in VSMCs. ROS generation was evaluated by dhydroethidium (DHE) fluorescence (Red). scale bar:100 μm.

Supplementary Figure 2





SLC6A6 Protein-protein interaction network is downloaded in the web <https://cn.string-db.org/>

Supplementary Table 1: PCR Primer Sequences

Name	sequences
RAT SLC6A6 forward primer	5' GTTCGGTCCACAGGCAAGGTTG 3'
RAT SLC6A6 reverse primer	5' GTCCTCAAGGC GGCTGATGTTAG 3'
RAT α-SMA forward primer	5' CTGCCTTGGTGTGACAATGG 3'
RAT α-SMA reverse primer	5' CGGGTACTTCAGGGTCAGGATTG 3'
RAT SMMHC forward primer	5' GCCGCTGCCTATGACAAACT 3'
RAT SMMHC reverse primer	5' CGCTGGTTGTCCAAGTCCA 3'
RAT cyclinD1 forward primer	5' CTACCGCACAAACGCCACTTTC 3'
RAT cyclinD1 reverse primer	5' TTCCTCCACTTCCCCTTCCT 3'
RAT GAPDH forward primer	5' ACCCAGAAGACTGTGGATGG 3'
RAT GAPDH reverse primer	5' CACATTGGGGTAGGAACAC 3'
Homo SLC6A6 forward primer	5' TGGGTAGGCAATGAAGGCCAG 3'
Homo SLC6A6 reverse primer	5' TTTGTGTCTGGCTTCGCAATT 3'
Homo GAPDH forward primer	5' ACAACTTGGTATCGTGGAGG 3'
Homo GAPDH reverse primer	5' GCCATCACGCCACAGTTTC 3'

Supplementary Table 2: Baseline Patient Characteristics

Patient Characteristic	Healthy control group (n=4)	Atherosclerosis artery group (n=4)	P value
Demographics			
Female sex, no. (%)	2 (50%)	1 (25%)	0.465#
Age (years)	40.5±4.8	72±5.6	0.569*
Clinical Parameters			
Smoker, no. (%)	1 (25%)	3 (75%)	0.157#
BMI, kg/m ²	23.25±3.4	23.25±0.9	1 *
SBP, mmHg	118.75±2.22	134.5±11.47	0.066*
DBP, mmHg	80±2.16	87.25±2.75	0.379*
Comorbidities			
Carotid artery disease, no. (%)	0 (0)	3 (75%)	NA

Coronary artery disease, no. (%)	0 (0)	3 (75%)	NA
Hypertension, no. (%)	0 (0)	3 (75%)	NA
Type II diabetes mellitus, no. (%)	0 (0)	2 (50%)	NA
Hyperlipidemia, no. (%)	0 (0)	3 (75%)	NA

N=4 *P* value is calculated with t-test (*), Fisher's exact test (#). Carotid/coronary artery disease was defined as the arterial lumen stenosis rate greater than 70%. BMI, body mass index; SBP, systolic blood pressure; DBP, diastolic blood pressure.