



Supplementary FigureS1. NiCl₂ increases the expression of ANGPTL4 via TGF-β signaling pathway.

(A) BEAS-2B cells were treated with 0.25 mM NiCl₂ for 0, 1, 3 and 6 h, The protein levels of p-smad2, p-smad3 and smad4 were analyzed by Western blot. (B) A549 and BEAS-2B cells were treated with SB525334 (2μM) and/or metformin (5 mM) underling NiCl₂ exposure for 24 h, the protein expression of ANGPTL4 was performed. β-actin was used as the internal control.

Supplemental Table S1. Primers list for expression analysis.

Analysis	Gene symbol	Forward (5'-3')	Reverse (5'-3')
Q-PCR	ANGPTL4	CTCCACTTGGGACCAGGATC A	ATGGCTGCAGGTGCCAAAC
	HIF-1 α	TAGCCGAGGAAGAAGTATGAAC	CACACTGAGGTTGGTTACTG TTG
	β -actin	TCATCACCATTGGCAATGAG	CACTGTGTTGGCGTACAGGT
CHIP	ANGPTL4- promoter- HRE1	GACGGTGACCATCTGAACCT	TCCAAGCCAGCTCATTCTCT
	ANGPTL4- promoter- HRE3	GGCTG GTCTG GAAGT CTTG	GGGCGGAGGAGTCTTGG