

**Supplementary Table 1. The sequence of siRNA and inhibitor**

Characteristics	Sequence (5'-3')
si-lnc	Sense: GCAAUAAAUCAAGUCAUG Antisense: UUGACUUGGAUUAAUUGCUU
si-AP1S3	Sense: CGGGAAUUGUUCAGAUUAAU Antisense: UAAUCUGAACAAUUUCCCGGG
si-NC	Sense: GGUGCGUUGAAGGUAUCA Antisense: UCUGCUGAGUAUGU
miR-4636 mimic	AACUCGUGUCAAAGCCUUUAG
miR-NC	UUCUCCGAACGUGUCACGU
miR-4636 inhibitor	CUAAAGGCUUUGAACACGAGUU
inhibitor-NC	CAGUACUUUUGUGUAGUACAA