

Supplementary Table 1 The primary antibody for Western blotting

Protein	Antibody brand	Dilution
NR4A1	Ab153914, Abcam, United Kingdom	1:1000
NLRP3	DF7438, Affinity, United States	1:1000
Cleaved-caspase-1	AF4005, Affinity, United States	1:1500
GSDMD-N	Ab215203, Abcam, United Kingdom	1:1500
TGF- β 1	AF1027, Affinity, United States	1:1500
Collagen III	AF5457, Affinity, United States	1:1000
IL-1 β	AF4006, Affinity, United States	1:1000
p-PI3K	AF4369, Affinity, United States	1:1500
PI3K	AF5112, Affinity, United States	1:1500
p-AKT	AF0016, Affinity, United States	1:1500
AKT	AF6261, Affinity, United States	1:1500
GAPDH	AF7021, Affinity, United States	1:3000

NR4A1: Nuclear receptor subfamily 4 group A member 1; NLRP3: NOD-like receptor protein 3; GSDMD-N: Gasdermin D N-terminal structural domain; TGF- β 1: Transforming growth factor- β 1; IL-1 β : Interleukin-1 β ; PI3K: Phosphoinositide 3-kinase; AKT: Protein kinase B.

Supplementary Table 2 The gene sequence primers for quantitative real-time PCR

Gene	Primer sequence	Species
<i>NR4A1</i>	Forward: CCAGCACTGCCAAACTGGACTA Reverse: CTCAGCAAAGCCAGGGATCTTC	Human
<i>GAPDH</i>	Forward: GGAGCGAGATCCCTCCAAAAT Reverse: GGCTGTTGTCATACTTCTCATGG	Human
<i>NR4A1</i>	Forward: TGTGCGAGAAGGATTGCAGA Reverse: GGTGTCAAACCTCTCCGGTGT	Rat
<i>IL-1β</i>	Forward: GCAACTGTTCTGAACTCAACT Reverse: ATCTTTTGGGGTCCGTCAACT	Rat
<i>GAPDH</i>	Forward: TGCACCACCAACTGCTTAGC Reverse: GGCATGGACTGTGGTCATGAG	Rat

NR4A1: Nuclear receptor subfamily 4 group A member 1.