

Supplementary information

Supplementary Figures

Figure S1 Original blot image

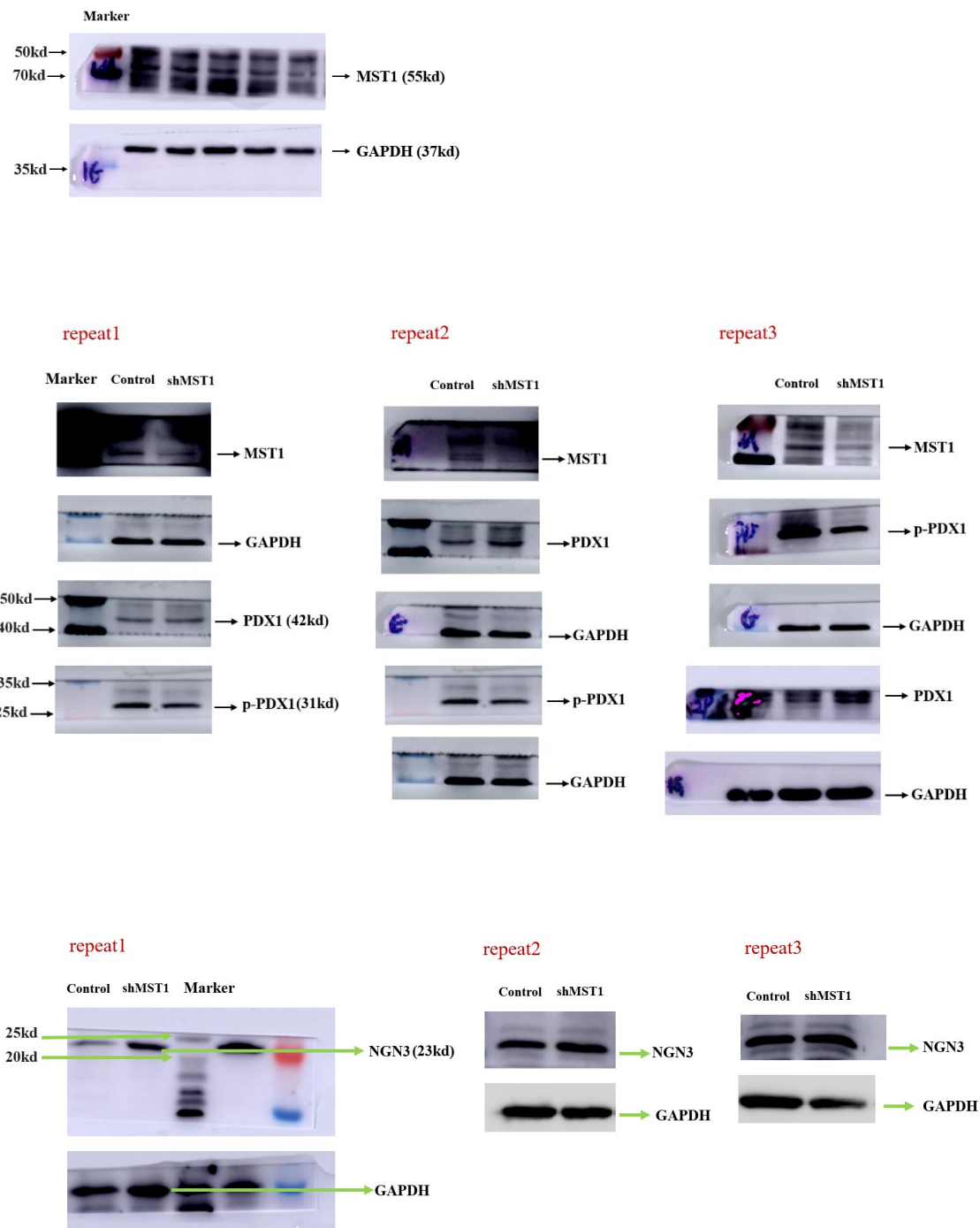
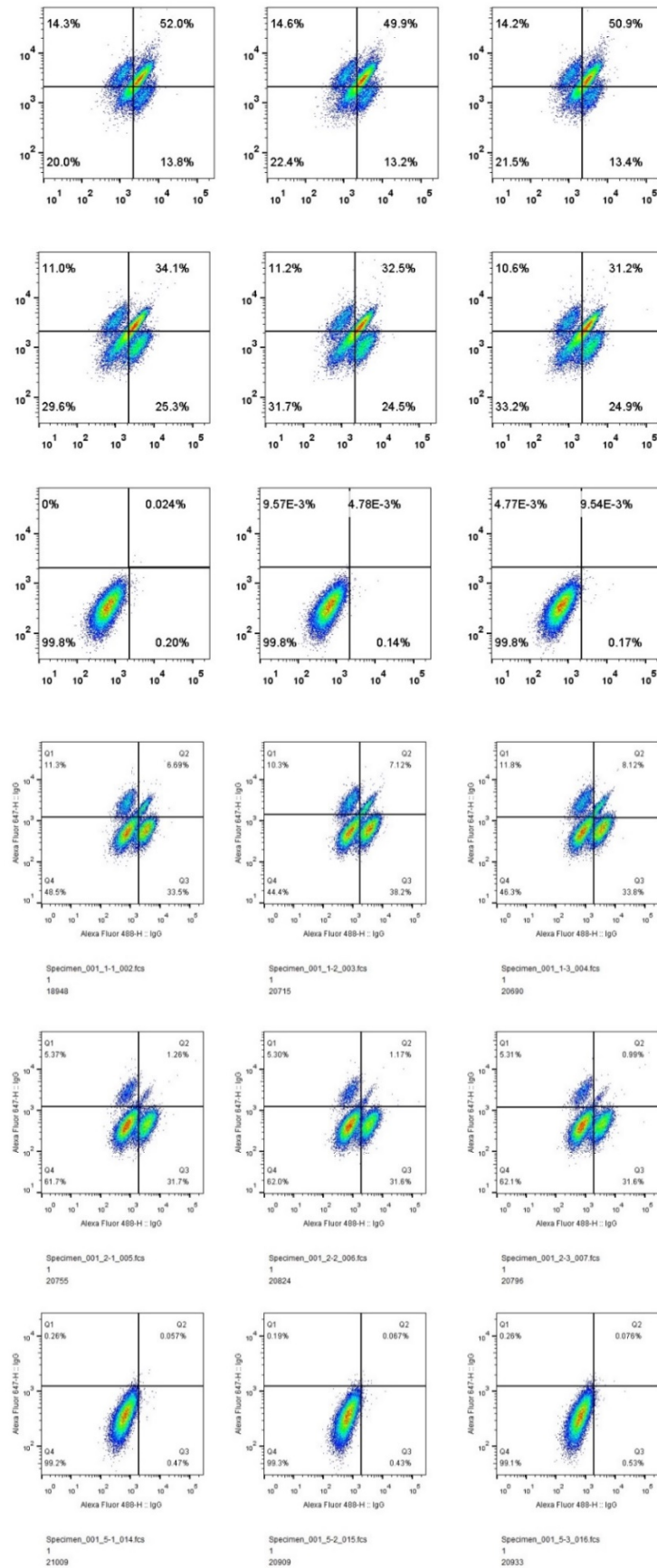


Figure S2 Fcs file



Supplementary Tables

Table S1.

Information about MST1 shRNA

shRNAs	Primer sequence	
Mst1	Forward	5'-GATCCGCTGGTTCTGTATCCGATATTCTCGAGAA TATCGGATACAGAACCAGCTTTTTG -3'
	Reverse	5'-AATTCAAAAAGCTGGTTCTGTATCCGATATTCTC GAGAATATCGGATACAGAACCAGCG -3'

Table S2 Primer sequences for real time PCR

Gene	Primer sequence	
Mst1	Forward	5'-GCTATTTTGTAAAGTTTGGCTGTAAA-3'
	Reverse	5'-CACGGCAGTGGAGGAAGCT-3'
PDX1	Forward	5'-CGTCGCATGAAGTGAAGAA-3'
	Reverse	5'-GGTTACGGCACAATCCTGCT-3'
NKX6.1	Forward	5'-TCTTCTGGCCTGGGGTGATG-3'
	Reverse	5'-GGCTGCGTGCTTCTTTCTCCA-3'
NGN3	Forward	5'-CCACGAAGTGCTCAGTTCCAA-3'
	Reverse	5'-GCGGAGTTAAGGTTGTGCATG-3'
MAFA	Forward	5'-GAGGAGGTCATCCGACTGAAA-3'
	Reverse	5'-GCACTTCTCGCTCTCCAGAAT-3'
Insulin	Forward	5'-ACGTCCAATGAGCGCTTTCT-3'
	Reverse	5'-AGGAGGGGTAGGTAGGCAGA-3'
GAPDH	Forward	5'-TGGTATCGTGGAAGGACTCATGAC-3'
	Reverse	5'-ATGCCAGTGAGCTTCCCGTTCAGC-3'

Table S2 Antibodies used in this study

Antibodies	Source	Cat.NO	usage
Rabbit anti-GAPDH	Bioss	Bs-2188R	WB, IF
Rabbit anti-NKX6.1	Cell Signaling Technology	D804R	WB, IF, FC
Rabbit anti-MST1	biorbyt	Orb6448	WB
Rabbit anti-Pdx1	Cell Signaling Technology	D59H3	WB, IF
Rabbit anti-P-PDX1	SAB	12626	WB
Rabbit anti-Neurogenin3	biorbyt	Orb11127	WB, IF

Mouse anti-Insulin	Cell Signaling Technology	L6B10	IF, IHC
Rabbit anti-MAFA	biorbyt	Orb11013	IF, IHC
Rabbit anti-c-Peptide	Cell Signaling Technology	4593	IF, IHC
Mouse anti-Insulin	Cell Signaling Technology	C27C9	IF, IHC
Rabbit anti-Nestin	SAB	29097	WB, IF
Rabbit anti-Brachyury	bioss	21569R	WB, IF
Rabbit anti-AFP	SAB	32006	WB, IF
Goat anti-Rabbit IgG/Cy3	bioss	bs-0295G-Cy3	IF
Goat anti-Mouse IgG/Cy5	bioss	bs-0296G-Cy5	IF

FC : Flow cytometry; IF : Immunofluorescence; WB : Western blot ; IHC : Immunohistochemistry