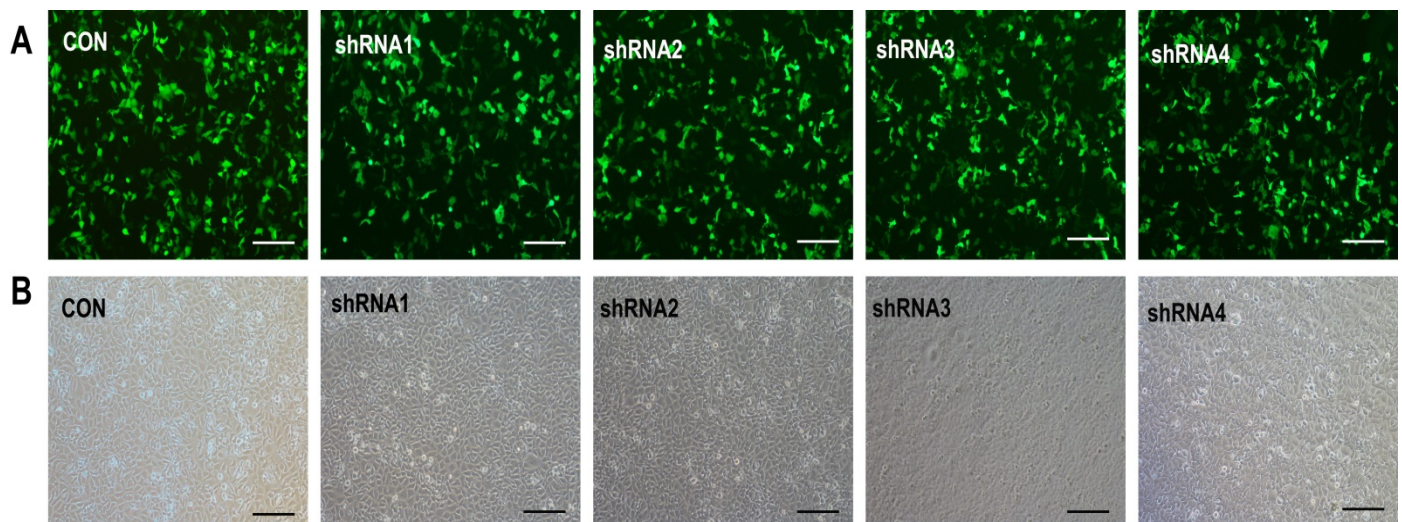


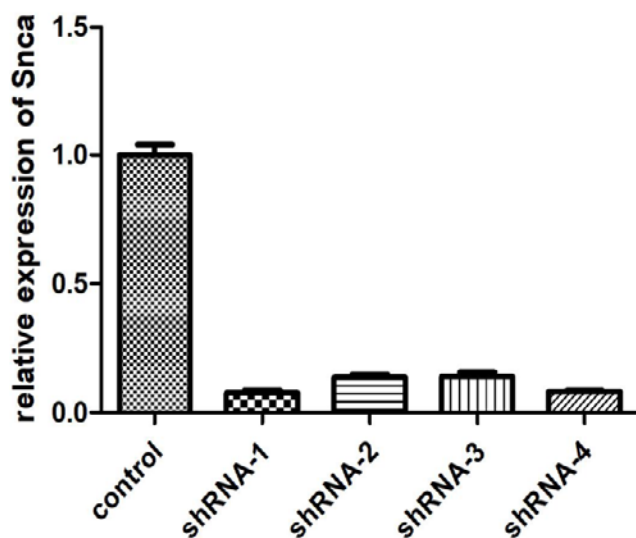
Additional file 1

Gene	Sample	Sequence
<i>Rattus Norvegicus</i>	shRNA1	GCAGTGAGGCTTATGAAATTTCAAGAGAATTCATAAGCCTCACTGCTTTTTT
	shRNA 2	CGTTCATGGAGTGACAACAGTTTCAAGAGAACTGTTGTCACTCCA TGAACGTTTTTT
SNCA	shRNA 3	GCCAAAGAGCAAGTGACAAATGTTCAAGAGACATTTGTCACTTGC TCTTTGGTTTTTT
	shRNA 4	GACTATGAGCCTGAAGCCTAATTCAAGAGATTAGGCTTCAGGCTC ATAGTCTTTTTT

Supplementary Table 1



Supplementary Figure 1



Supplementary Figure 2

Additional file 1: We designed a total of 4 sets of SNCA knockout sequence plasmids with GFP fluorescent tags, integrated them into lentiviruses and transfected them into HEK293 cells to observe the degree of transfection. qRT-PCR experiments were then performed.

Supplementary Table S1. Forward and reverse primer sequences for 4 sets of SNCA knockout sequences used for qRT-PCR.

Supplementary Figure S1. The expression pattern of SNCA in different samples of HEK293 cells.

(A) The expression levels of GFP-tagged sequences in different samples of HEK293 cells. Scale bar =100 μm .

(B) The expression levels of samples without GFP in HEK293 cells under bright-field illumination. Scale bar =100 μm .

Supplementary Figure S2. The relative expression levels of SNCA in different samples.