Fig. S1 Knock-down of RRM2 inhibits the migration of glioma cells. **A** and **B** Wound-healing assays with shNC (negative control), RRM2-shRNA#1 (shRRM2#1), and RRM2-shRNA#2 (shRRM2#2) transfected LN-229. Migration of the cells to the wound was observed at 0, 12, and 24 h with a microscope from Carl Zeiss (Axio Observer A1; ×200 magnification). Data shown are mean ± SD of three independent experiments, # P< 0.001, versus shNC (negative control). **C** and **D** Knock-down of RRM2 inhibited the migration ability of LN-229 cells by trans-well assays; data shown are mean ± SD, # P< 0.001, versus shNC.

Fig. S2 Suppression of RRM2 induces apoptosis of LN229 cells. **A** and **B** Apoptosis of glioma cells was determined by flow cytometry in shRRM2#1 and shRRM2#2 transfected LN229 cells; data expressed as mean ± SD of three independent experiments, # *P*<0.001, versus shNC. **C** and **D** Markers of apoptosis were detected by Western blot in IN229 cells; data expressed as mean ± SD of three independent experiments, # *P*< 0.001, versus shNC.

Figure S1

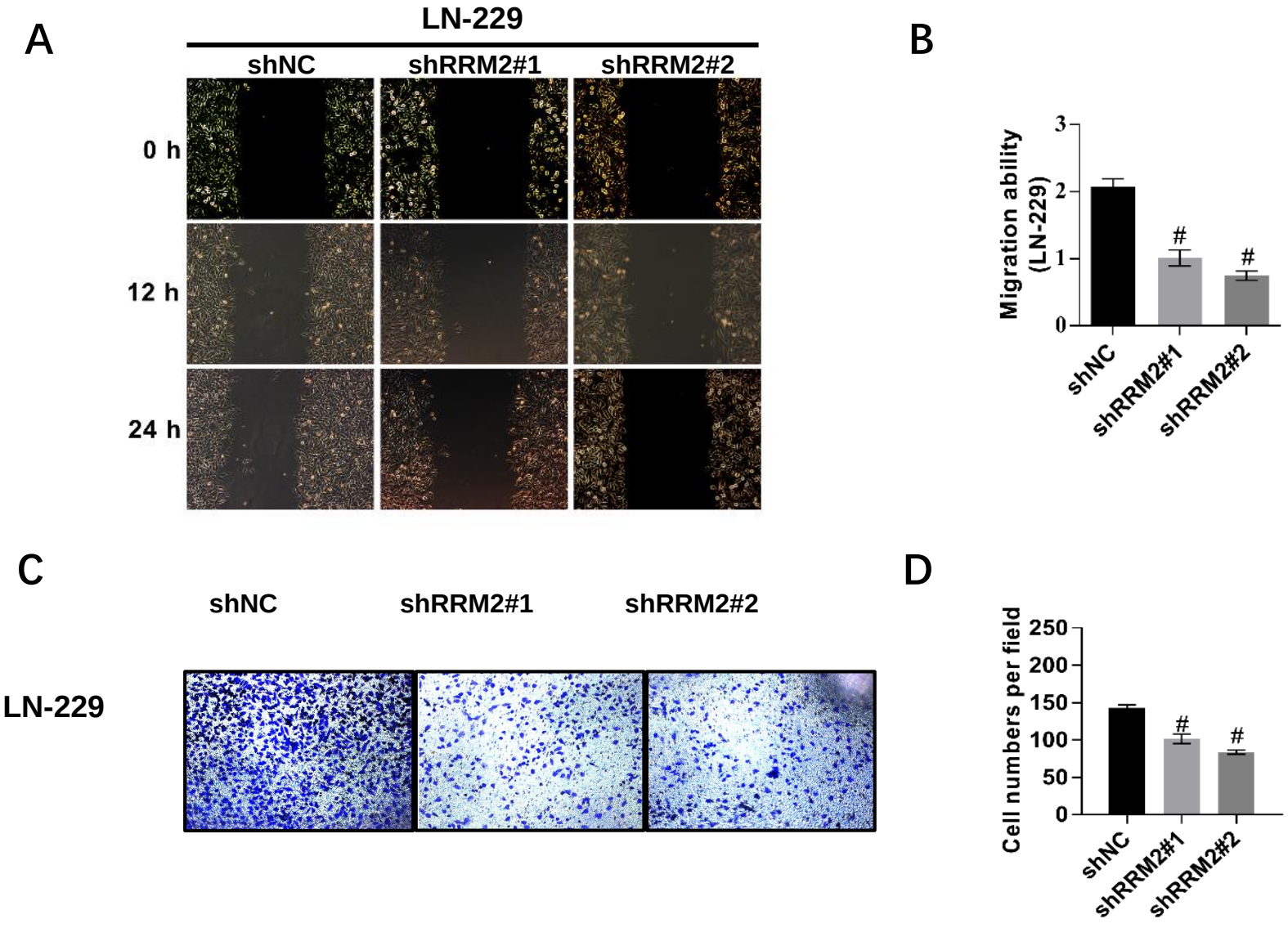
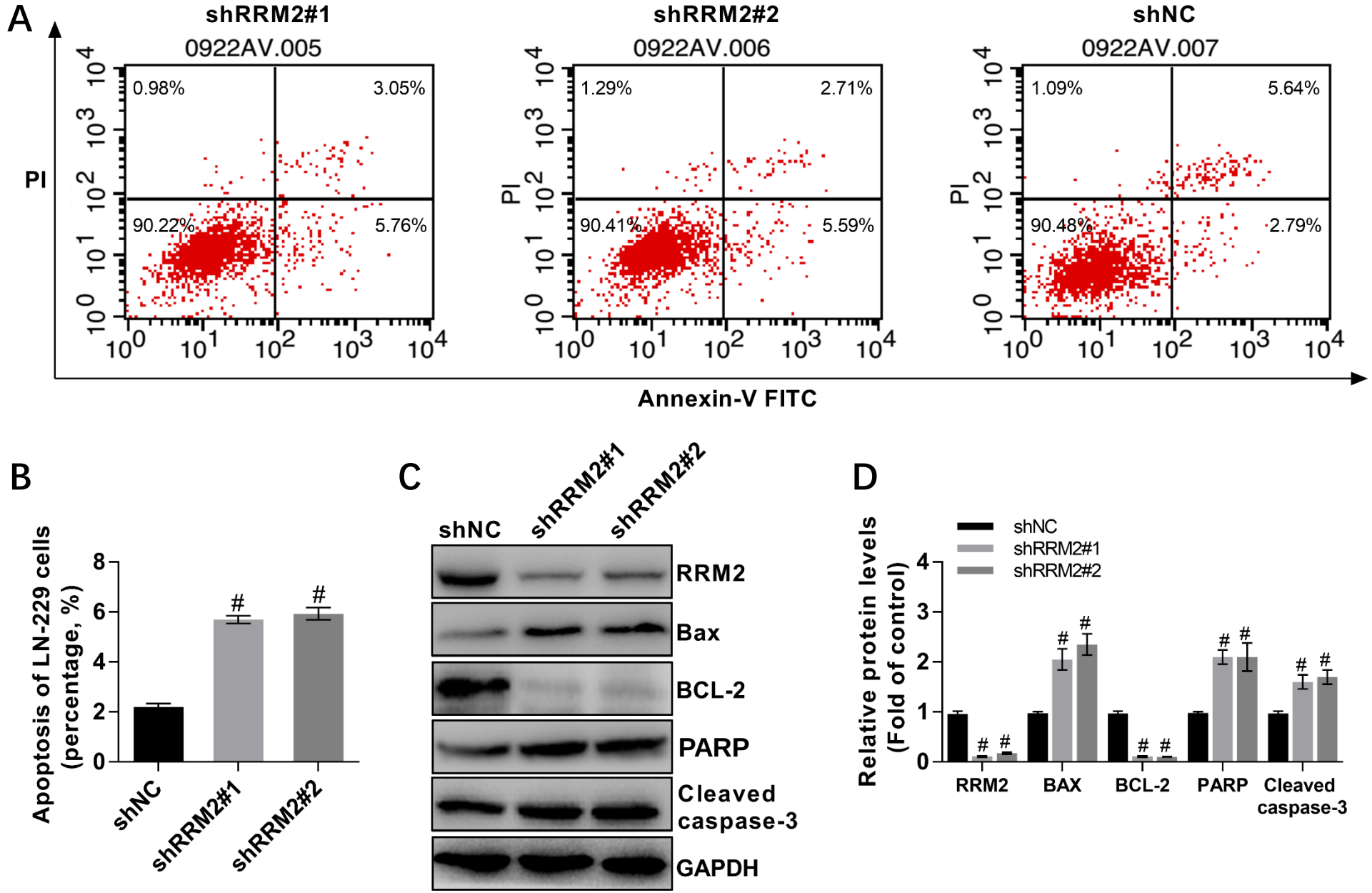

A
LN-229
shNC
shRRM2#1
shRRM2#2
0 h
12 h
24 h
B
Migration ability (LN-229)
3
2
1
0
#
#
shNC
shRRM2#1
shRRM2#2
C
shNC
shRRM2#1
shRRM2#2
LN-229
D
Cell numbers per field
250
200
150
100
50
0
#
#
shNC
shRRM2#1
shRRM2#2

Figure S2


A
shRRM2#1
0922AV.005
0.98%
3.05%
90.22%
5.76%
shRRM2#2
0922AV.006
1.29%
2.71%
90.41%
5.59%
shNC
0922AV.007
1.09%
5.64%
90.48%
2.79%
PI
Annexin-V FITC
B
Apoptosis of LN-229 cells (percentage, %)
shNC
shRRM2#1
shRRM2#2
C
shNC
shRRM2#1
shRRM2#2
RRM2
Bax
BCL-2
PARP
Cleaved caspase-3
GAPDH
D
Relative protein levels (Fold of control)
shNC
shRRM2#1
shRRM2#2
RRM2
BAX
BCL-2
PARP
Cleaved caspase-3