

Supplementary Table 1 Primer sequences in MSP and qRT-PCR

methylation	sense sequence	anti-sense sequence
PAR2 (methylated)	5'- TAGGAAAGGTAAGGGAG ATTGACGA-3'	5'- AAACTCGCGCCAAATCCCTTA AA-3'
PAR2 (unmethylated)	5'- TAGGAAAGGTAAGGGAG ATTG ATGATT-3'	5'- CAAACCTCACACCAAATCCCTT AAACT-3'
qPCR	sense sequence	anti-sense sequence
PAR2	5'- GATGGCACATCCCACGTC ACT-3'	5'- TTGGCAAACCCACCACAAAC AC-3'
Tubulin	5'- TTGACTGGGAGTGAGATT GGA-3'	5'- CAAATAGCGTTCAGCCACA- 3'

Supplementary Table 2 Antibodies used in Western blot

Antibody	WB	Specificity	Company
Tubulin	1:1000	Rabbit monoclonal	Abcam, China
PAR2	1:1000	Rabbit monoclonal	Abcam, China
IgG	/	Goat anti Rabbit	Abcam, China