

Figure S1. U251 cells were transfected with anti-miR-control /anti-miR-6743-5p, and infection with shGRIM-19 or shNC lentivirus as indicated. Cells without any treatment were set as a negative control (Mock). After 48 h, cells were fixed and subjected to TdT-mediated-dUTP nick end labeling (TUNEL) staining (Green) with In Situ Cell Death Detection Kit (Roche) according to the manufacturer's protocol. Cells were counterstained with DAPI (blue). The representative images (A) and the quantitative analysis (B) of TUNEL assays are shown. *** $P < 0.001$ vs. Mock and anti-miR-control+shNC; ### $P < 0.001$ vs. anti-miR-6743-5p+shNC; +++ $P < 0.001$ vs. anti-miR-control+shGRIM-19.

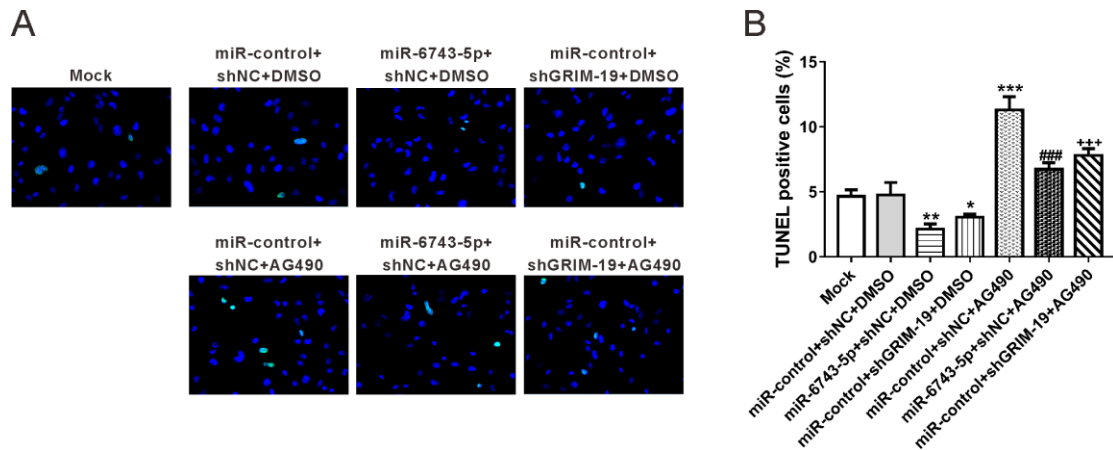


Figure S2. U251 cells were transfected with miR-6743-5p mimic/miR-control, infected with shGRIM-19 or shNC lentivirus, and/or treated with 10 μ M AG490 or vehicle (DMSO) as indicated. Cells without any treatment were set as a negative control (Mock). After 48 h, cells were fixed and subjected to TUNEL staining. The representative images (A) and the quantitative analysis (B) of TUNEL assays are shown. * $P < 0.05$, ** $P < 0.01$ and *** $P < 0.001$ vs. Mock and miR-control+shNC+DMSO; ### $P < 0.001$ vs. miR-6743-5p+shNC+DMSO; +++ $P < 0.001$ vs. miR-control+shGRIM-19+DMSO.