Electronic Supplementary Material (ESI) for RSC Advances.
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Supplementary data

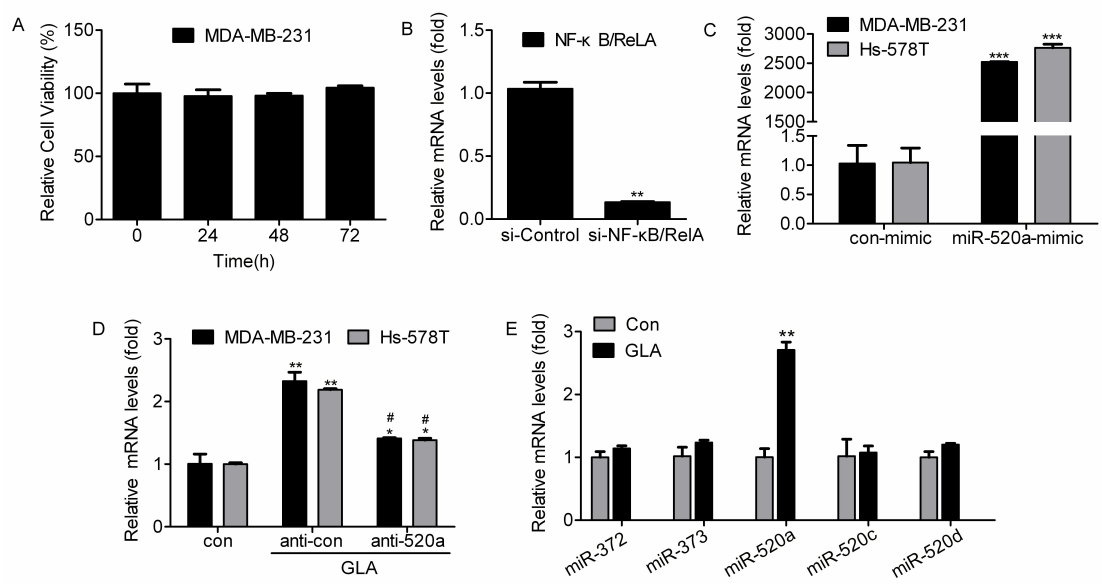

Figure S1. (A) MDA-MB-231 cells were exposed to 10 μM GLA for 24, 48, or 72 h, the cell vitalities were analyzed by Cell Counting Kit-8 assay; (B) MDA-MB-231 cells were transfected by si-con or si-NF-κB/RelA for 12 h; qRT-PCR analysis of *NF-κB/RelA* mRNA (mean ± SD, n = 3); (C-D) MDA-MB-231 or Hs-578T cells were transfected by con-mimic or miR-520a-mimic for 12 h; These cells were pre-transfected by anti-con or anti-miR-520a for 12 h, then they were treated by 10 μM GLA for 72 h. qRT-PCR analysis of miR-520a(mean ± SD, n = 3). (E) qRT-PCR analysis of miR-373/520 family at 72h (mean ± SD, n = 3); **P < 0.01 and ***P< 0.001 compared with control cells or cells transfected by mimic-con; **P < 0.01and #P< 0.05 compared with cells transfected by si-con or anti-con.

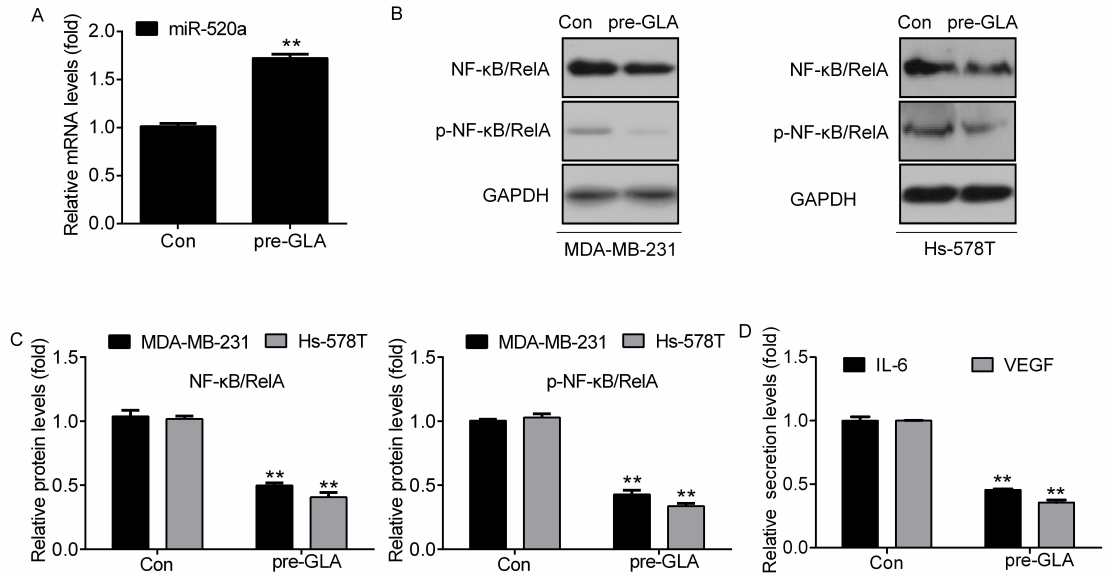

Figure S2. MDA-MB-231 cells were pre-treated by 0 or 10 μM GLA for 72 h, respectively, then the previous mediums were removed , and cells were washed by 1xPBS to replace fresh mediums with 1% serum for 24h; the conditioned mediums were also collected; (A) qRT-PCR analysis of miR-520a(mean ± SD, n = 3); (B) Western blot analysis and (C) relative protein levels of NF-κB/RelA, p-NF-κB/RelA(mean ± SD, n = 3); (D) ELISA was used to detect the secretion of VEGF and IL-6 (mean ± SD, n = 3);. **P < 0.01 compared with medium control cells.