

## **Supplementary material**

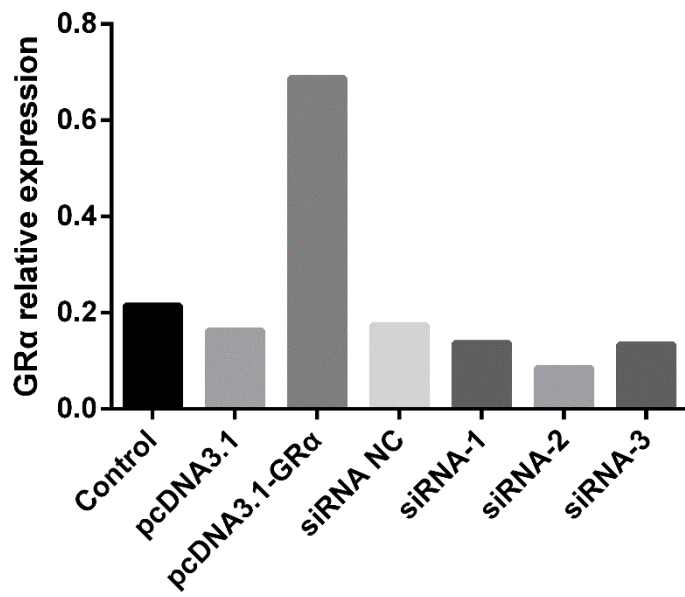
### **Dexamethasone may inhibit placental growth by blocking glucocorticoid receptors via phosphatidylinositol 3-kinase/AKT/mammalian target of rapamycin and reactive oxygen species/AMP-activated protein kinase signalling pathways in human placental JEG-3 cells**

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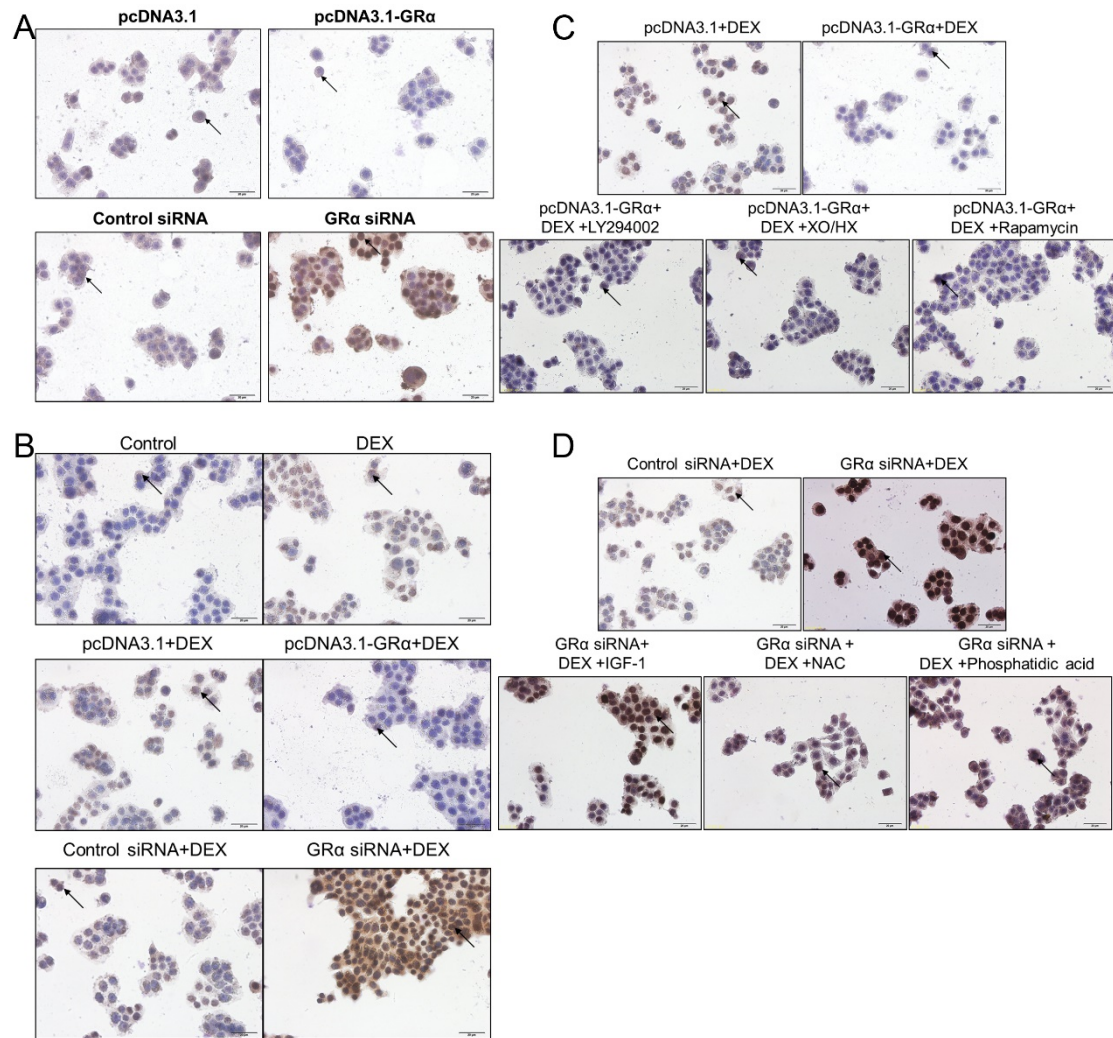
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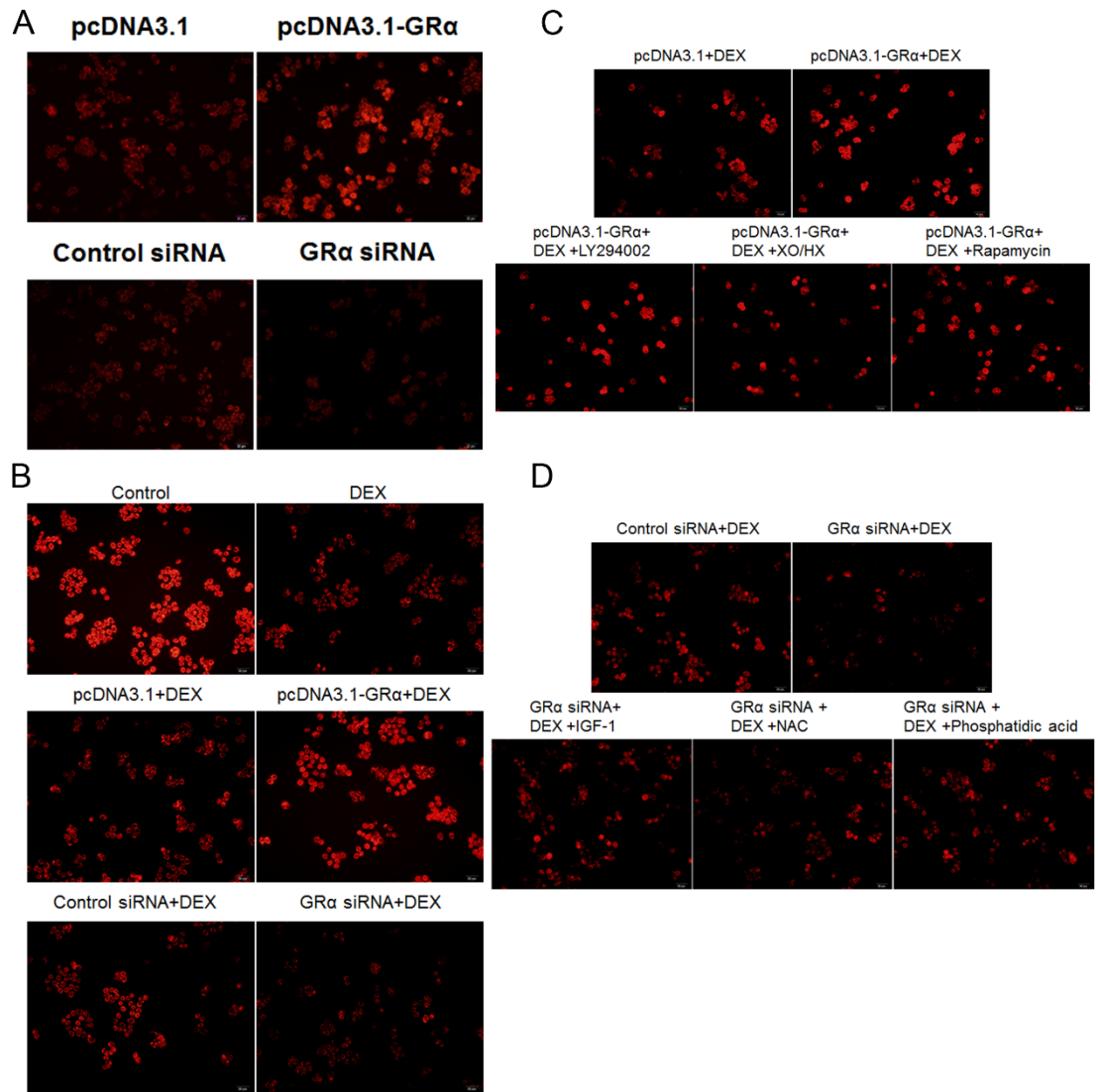
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**Figure S1** The plasmids pcDNA3.1, pcDNA3.1-GR $\alpha$ , control short interfering RNA (siRNA) and glucocorticoid  $\alpha$  (GR $\alpha$ ) siRNA were successfully transfected in JEG-3 cells.



**Figure S2** Apoptotic cells in the different groups. The black arrows indicate apoptotic cells.



**Figure S3** The mitochondrial membrane potential (MMP) assay.