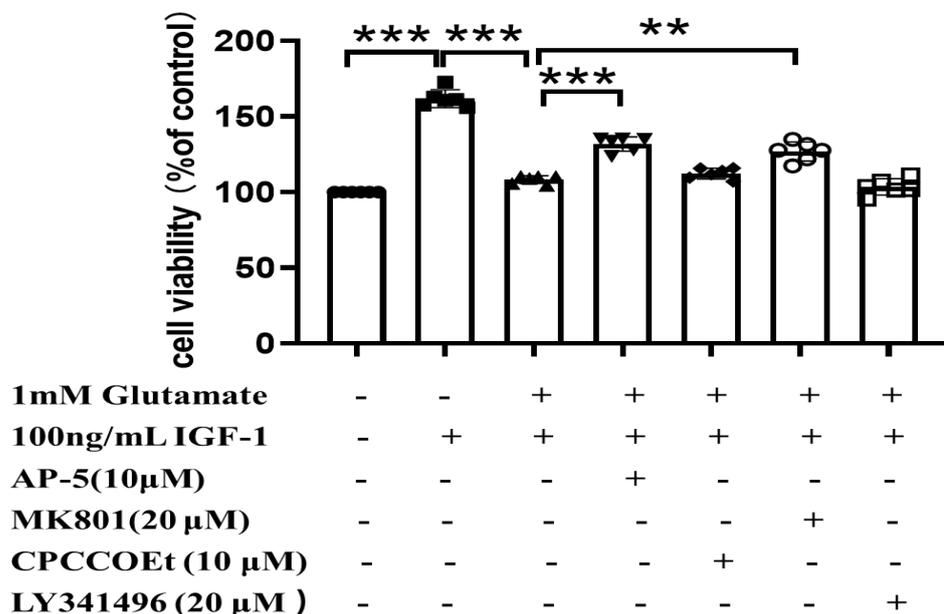


**Fig.s1. Glutamate inhibited the pro-survival effect of IGF-1 in PC12 cells.** PC12 cells were pretreated with 1 mM glutamate for 1h, and then cells were exposed to 100 ng/ml IGF-1 for 48 h and the cell viability was determined.



**Fig.s2. Glutamate attenuates the cell viability of IGF-1R through NMDARs.** PC12 cells were pretreated with the NMDA receptor antagonists MK801 or AP-5, CPCCOEt or LY 341496, and the effect of glutamate (1mM) on the survival effect of IGF-1 was measured. Data represent assays from at least three independent experiments.