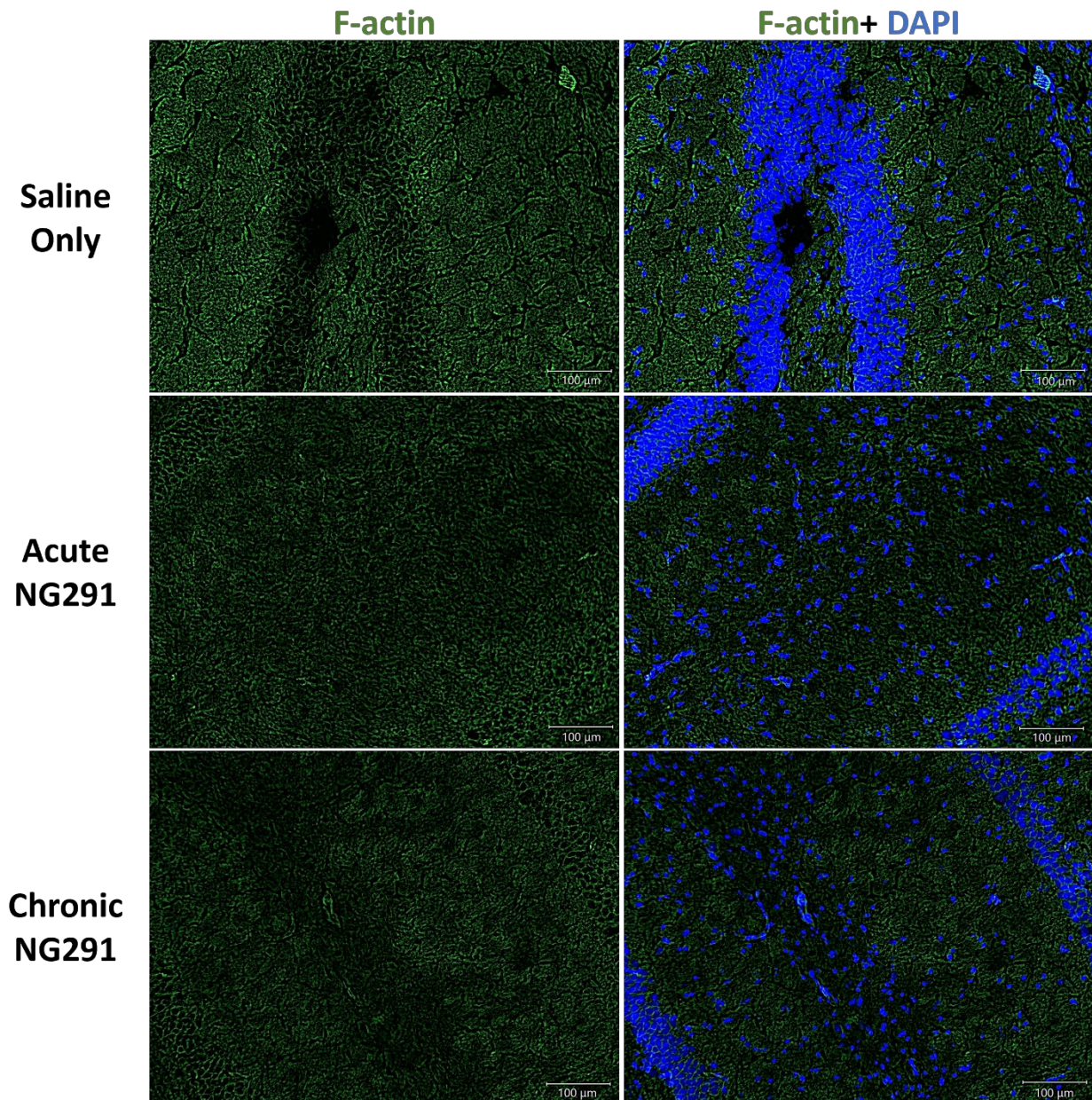


**Supplementary Material:**



**Figure SM1: NG291 plays a role in reducing the expression of F-actin in rat brain hippocampus.** Sprague Dawley rats were treated with saline (control), Acute NG291 (100µg/kg NG291 three days prior to saline perfusion), and chronic NG291 (single 100µg/kg NG291 dose per day for three days with brain perfusion conducted 1hr after the final dose) were sectioned 20µm thick. Brain sections were stained for F-actin (phalloidin, Alexa Fluor™ 488, green) and nuclei (DAPI, blue). Figure SM1 shows decreased F-actin immunofluorescence when exposed to NG291. Scale bar= 100µm.

