

## Supplementary Materials

Treatment (Glu and Antho) detail *in vivo*

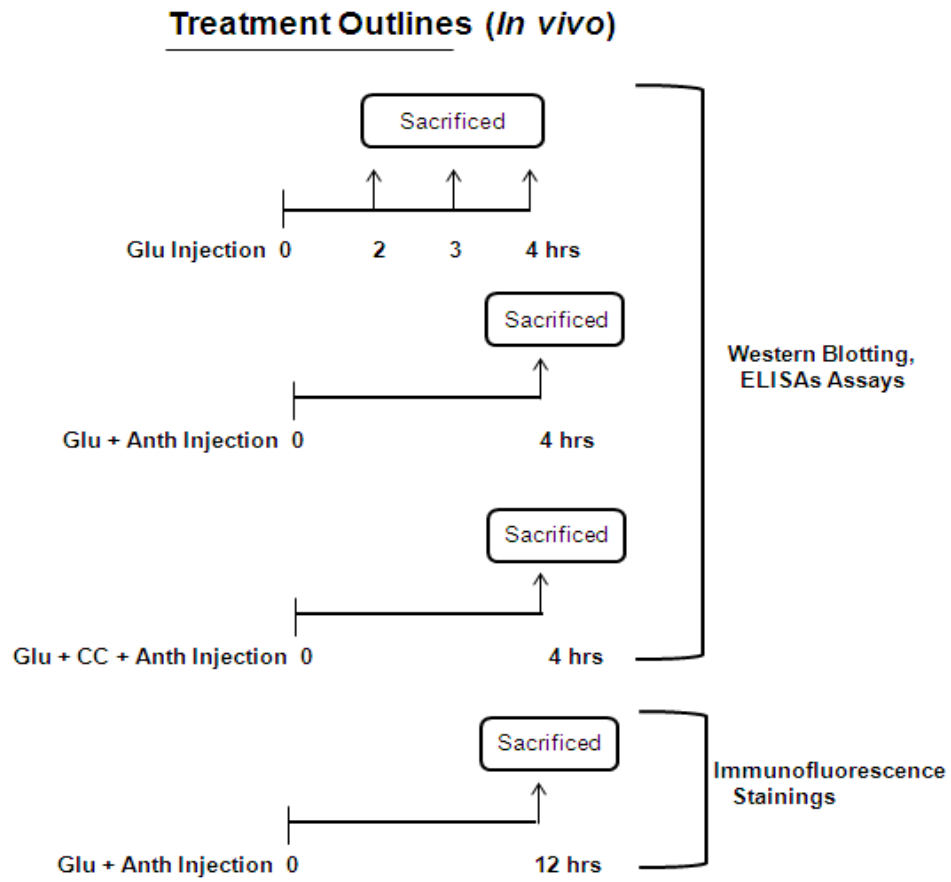
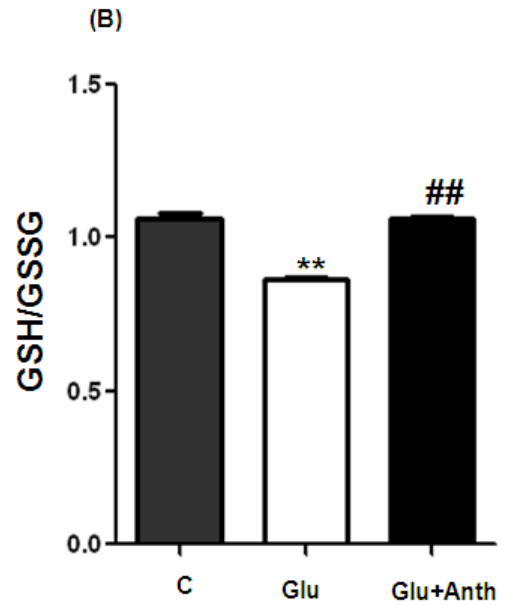
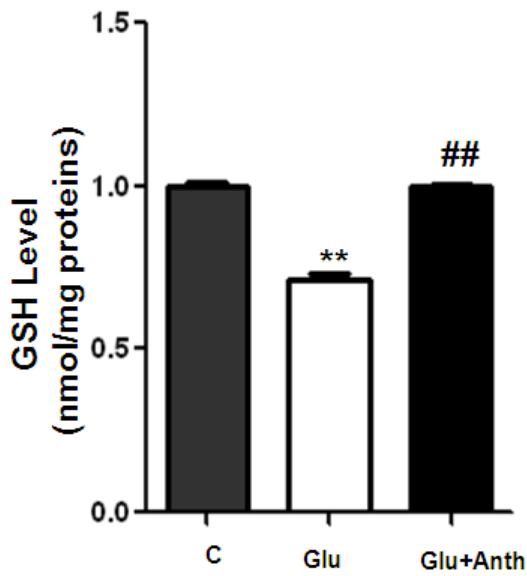


Fig. S1 (A)



**Suppl. Fig. 1: Anthocyanin upregulated glutathione levels (GSH and GSH/GSSG ratio) against glutamate in the developing rat brain.** The histograms showing (A) the levels of total Glutathione (GSH) and (B) the ratio of GSH/GSSG in the brain homogenates of rat pups 4 h after glutamate and anthocyanin treatment. All the procedures were followed as provided by the manufacturer. These assays were performed in triplicate with the same results. Significance; \*\*  $P < 0.001$  and ##  $P < 0.001$ , respectively.

**Fig. 2d**

