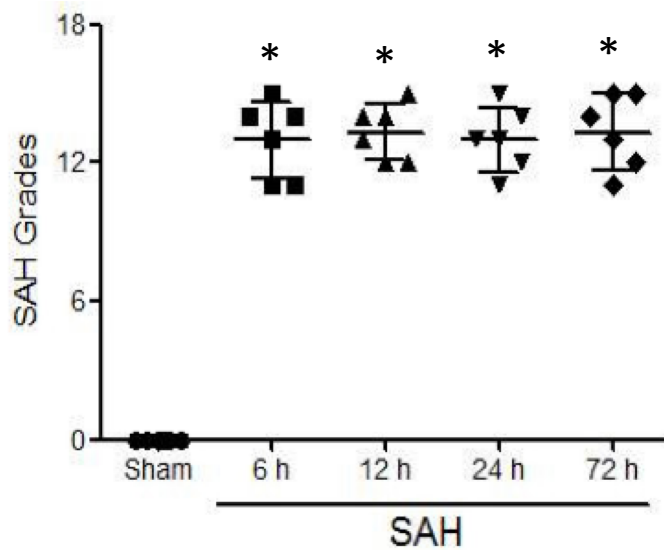
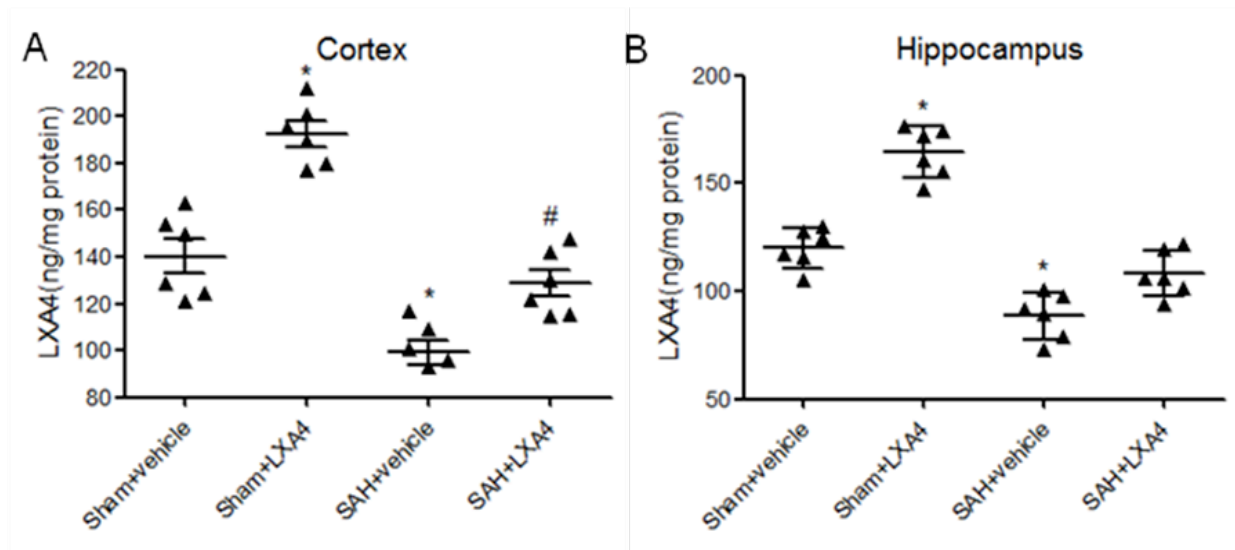


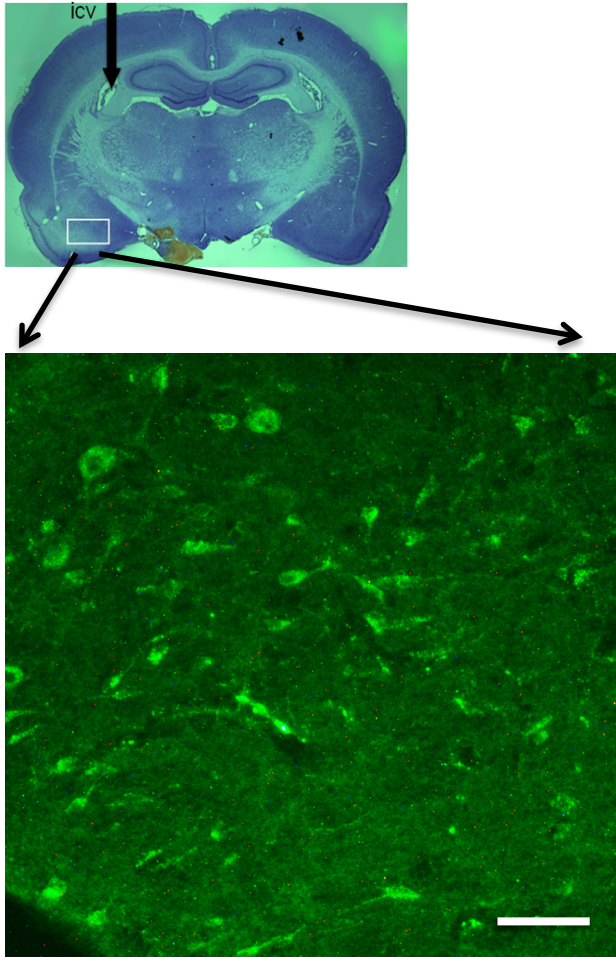
SUPPLEMENTAL MATERIAL



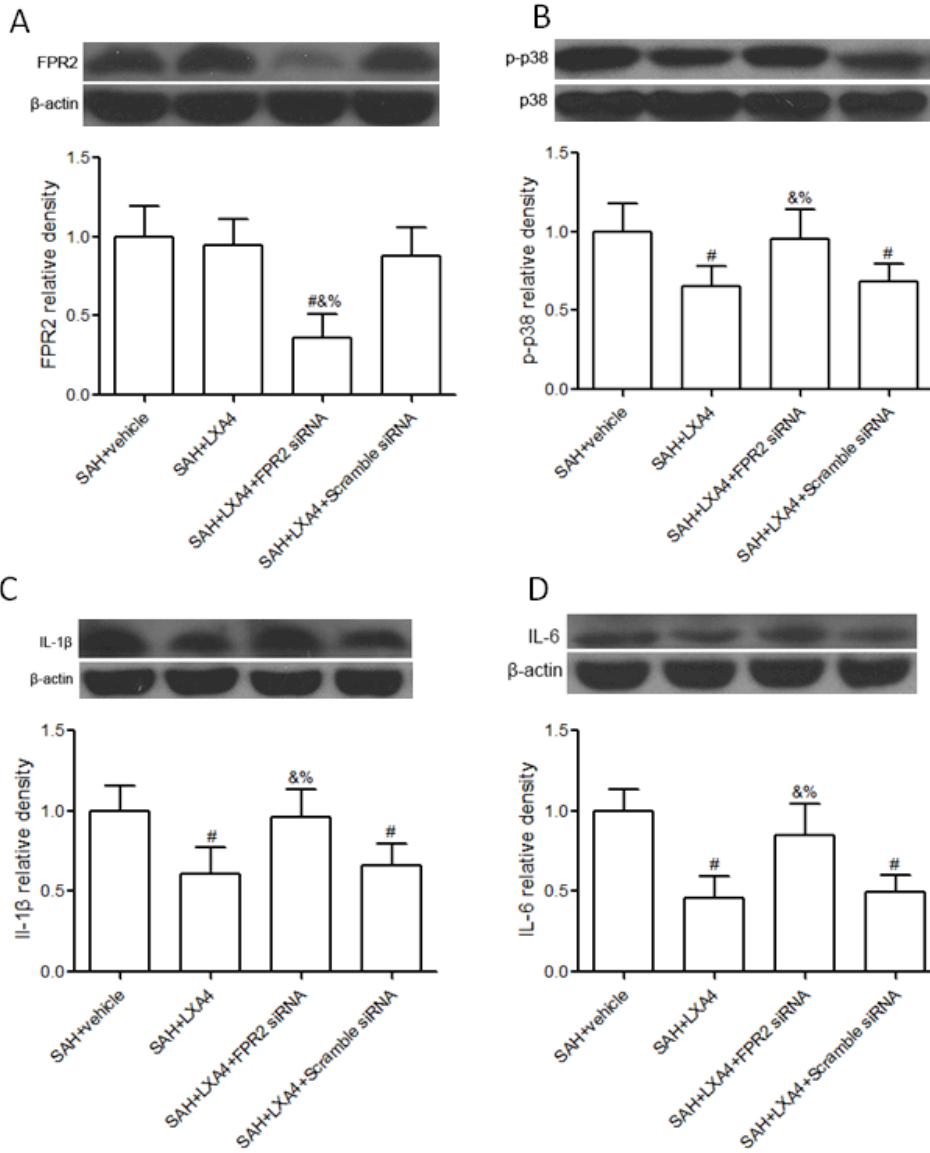
Supplemental Figure I. SAH grades after SAH surgery. There were significant differences of SAH grades between sham and SAH animals up to 72 hours, but no significantly difference between SAH groups. n=6 for each group, *p<0.05 vs. Sham.



Supplemental Figure II. Administration of LXA4 significantly increased brain LXA4 in sham and SAH animals at 24 hours after LXA4 injection. $n=6$ for each group, $*p<0.05$ vs. Sham+vehicle, $\#p<0.05$ vs. SAH+vehicle.



Supplemental Figure III. Results of siRNA transfection. In vivo transfected cells 24 h after intracerebroventricular injection of fluorescence conjugated Control siRNA-A in rats. Images were obtained from 20 μm cryosections of rat brain using an OLYMPUS BX51 microscope with fluorescence light. Scale bar=30 μm .



Supplemental Figure IV. Administration of LXA4 reduced expression of IL-1 β and IL-6 dependent on FPR2/p38 pathway in hippocampus. Administration of LXA4 had no effects on the expression of FPR2 after SAH (A), but increased the phosphorylation of p38 (B), and expression of IL-1 β (C) and IL-6 (D). Silencing FPR2 by siRNA significantly decrease the level of FPR2 and removed the effects of LXA4. n=6 for each group. #p<0.05 vs. SAH+vehicle, &p<0.05 vs. SAH+LXA4, %p<0.05 vs. SAH+LXA4+ scramble siRNA.