

Supplementary information, Figure S5

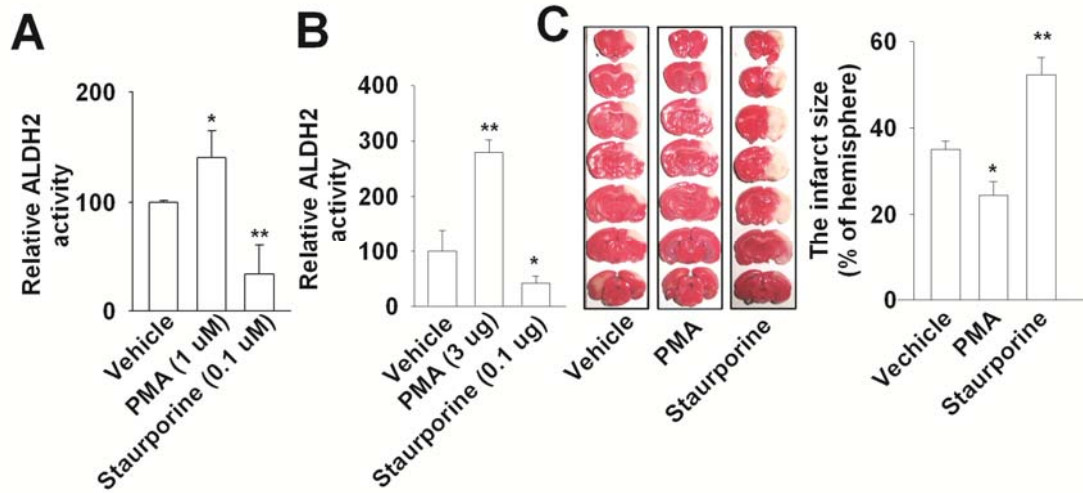


Figure S5 The activation of PKC ϵ protects against ischemic injuries *in vivo* and *in vitro*. **(A)** Cultured PC12 cells were treated with vehicle (DMSO), PMA (1 μM) and staurosporine (0.1 μM) for 6 h. Then the ALDH2 activity was measured by using clinical chemistry analyzer. $n = 3$. **(B)** In SD rats, the effect of intracerebroventricular (i.c.v) injection (5 μl) of PMA and staurosporine on the activity of ALDH2. $n = 8$. **(C)** The left panel shows representative TTC staining of 7 corresponding coronal brain sections of vehicle, PMA and staurosporine treatment rats on day 1 after MCAO for 2 h. The ischemic infarct region is white. $n = 6$. Mean \pm SD. Data are analyzed by ANOVA followed by LSD *post-hoc* testing. * $P < 0.05$, ** $P < 0.01$ vs. vehicle. PMA, phorbol 12-myristate 13-acetate; MCAO, middle cerebral artery occlusion.