

Supplementary Material

Title: Clematichinenoside serves as a neuroprotective agent against ischemic stroke: the synergistic action of ERK1/2 and cPKC pathways.

Running title:

Clematichinenoside ameliorates ischemic stroke

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Supplementary Figure

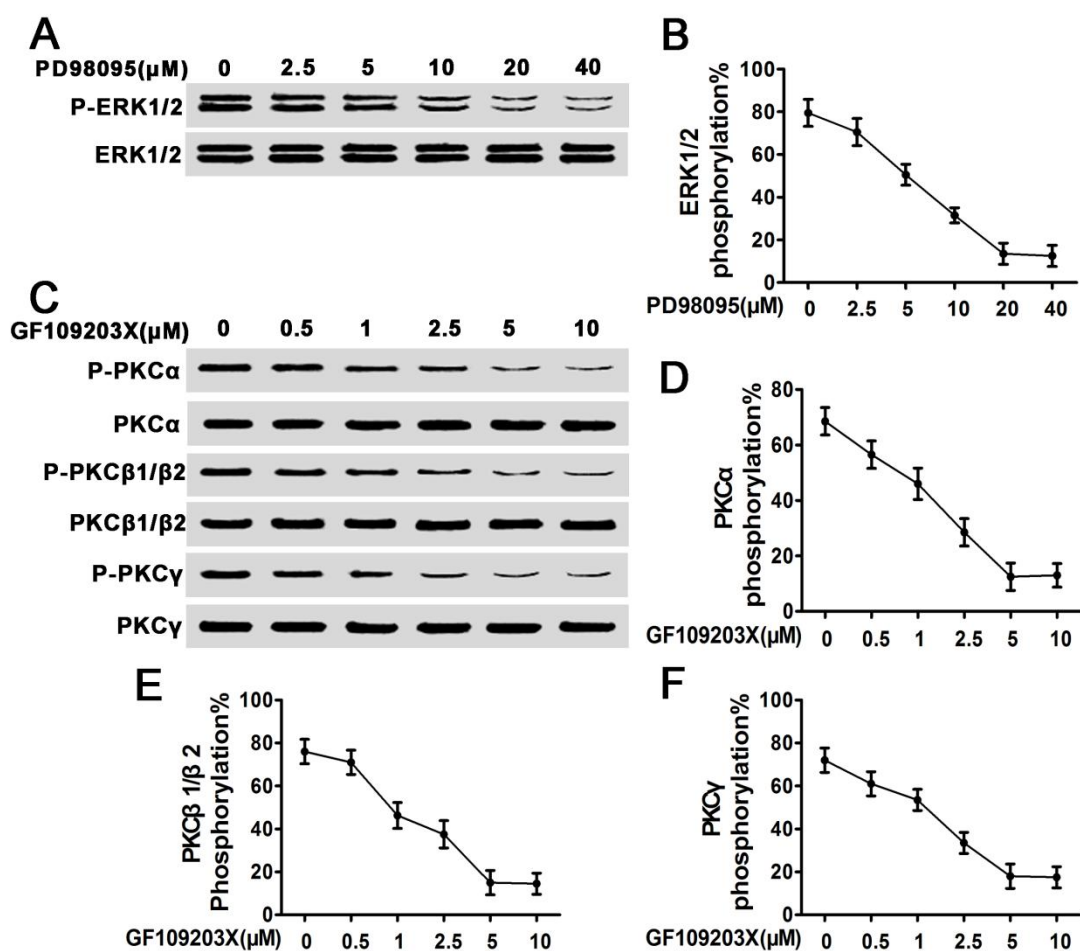


Figure S1. The inhibitive effect of PD98095 on ERK1/2 phosphorylation, and the inhibitive effect of GF109203X on cPKC (PKC α , PKC β 1/ β 2, PKC γ) phosphorylation in primary cortical neurons. Primary cortical neurons were treated with PD98095 or GF109203X for 2 h at the indicated concentrations and then protein phosphorylation levels or expressions were determined by western blot assay. (A) Representative results of ERK1/2 phosphorylation alterations in neurons experiencing 2 h PD98095 blocking at the indicated concentrations, and quantification data from 4 individual experiments were described in (B). (C) Representative results of cPKC (PKC α , PKC β 1/ β 2, PKC γ) alterations in neurons experiencing 2 h GF109203X blocking at the indicated concentrations, and quantification data from 4 individual experiments were described in (D) PKC α , (E) PKC β 1/ β 2 and (F) PKC γ . Results mentioned-above were mean \pm SD for 4 individual experiments which, for each condition, were performed in quadruplicate.