Stimulation of Non-Amyloidogenic Processing of Amyloid-β Protein Precursor by Cryptotanshinone Involves Activation and Translocation of ADAM10 and PKC-α

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Supplementary Figure 1. Time- and dose-dependent effect of CTS on $sA\beta PP\alpha$ release from N2a-WildA βPP . Conditioned medium and cell lysates were prepared from N2a-WildA βPP that were treated with CTS at various doses as indicated for 12 h (a) and 24 h (b) and conditioned medium were subjected to Western blot for $sA\beta PP\alpha$ and cell lysates were prepared for Fl-A βPP , CTF- α , and β -actin. (*p < 0.05, **p < 0.01 vs. control)



Supplementary Figure 2. Treatment of N2a-WildA β PP with CTS results in ADAM10 cleavage. Expression of ADAM9, -10, and -17 was analyzed in cell lysates from N2a-WildA β PP cells treated with various concentrations of CTS for indicated duration by Western blot. Densitometry analysis shows the band density ratio of the mature (mADAM10) to the pro (proADAM10) form of ADAM10 as indicated in panels to the right. Values represent as mean \pm SE from three independent experiments (n=3). One-way ANOVA revealed significant differences between CTS-treated cells and control cultures on the ratio of mADAM10 to pro-ADAM10 (*p < 0.05).