Supplementary Data

Fibrillar Amyloid-β_{1-42} Modifies Actin Organization Affecting the Cofilin Phosphorylation State: A Role for Rac1/cdc42 Effector Proteins and the Slingshot Phosphatase

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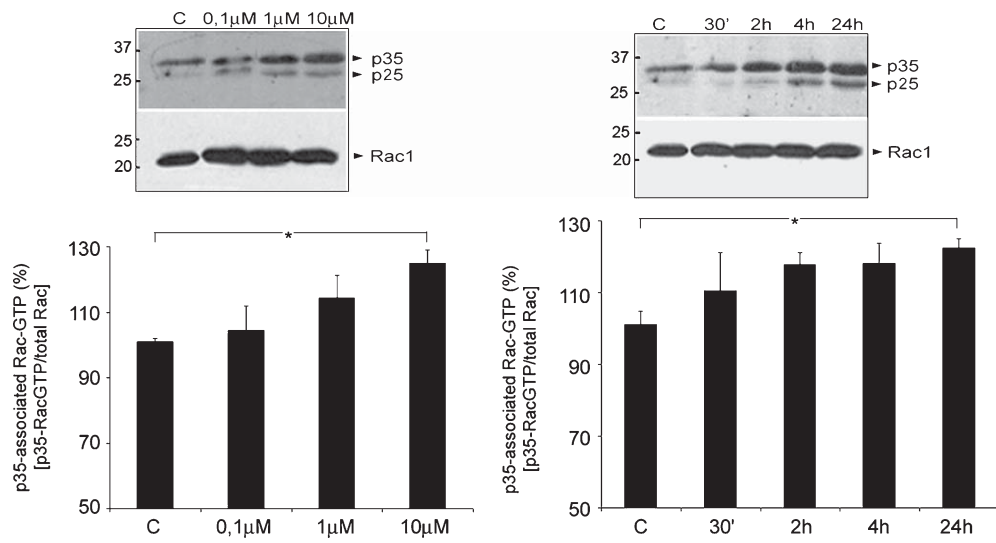[c]*Clinical Microbiology Institute, Faculty of Medicine, Universidad Austral de Chile, Valdivia, Chile*
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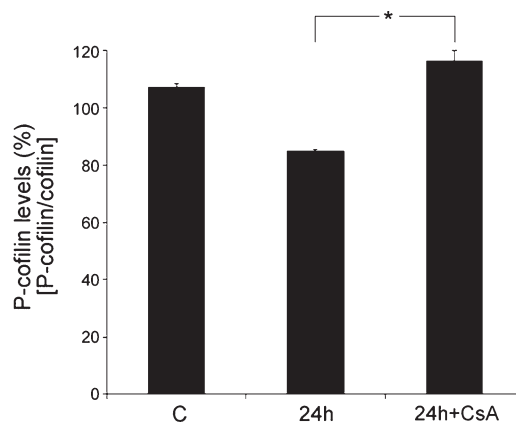
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Supplementary Figure 1. Aβ treatment increase the association between p35 and Rac1. Hippocampal neurons were treated with 0.1, 1, and 10 μM Aβ for 24 h (left) and 10 μM of the peptide for 30 min, 2, 4, and 24 h (right). Active Rac1 (GTP-bound) was isolated using PBD pull-down assay, and the coimmunoprecipitated p35 and p25 were evaluated by immunoblotting using anti-p35/p25 antibody. Values were normalized to total Rac1 and reported as mean ± SEM; $n = 3$ (*$p < 0.05$).

Supplementary Figure 2. Calcineurin activity is related with phoshorylated cofilin levels. A) Changes in P-cofilin levels were analyzed in hippocampal cells stimulated with 10 μM Aβ 24 h in the absence or presence of 10 μM cyclosporine A (24 h + CsA). The graphic represent mean (percentage) ± SEM of three independent experiments, $p \leq 0.05$. *$p < 0.05$.