Supplementary Figure
Therapeutic potential of AAV1-Rheb(S16H) transduction against Alzheimer's disease
Running Title: Therapeutic effects of Rheb(S16H) in 5XFAD mouse
Moon et al.
Supplementary Figure: 1

Supplementary Figure

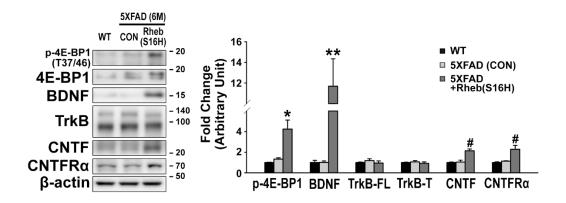


Figure S1. Conservation of a neuroprotective system by AAV1-Rheb(S16H) transduction in the 5XFAD mouse hippocampus at 4 months post-injection

AAV1-Rheb(S16H) transduction induced sustained increases in p-4E-BP1, BDNF, CNTF, and CNTFR α in the 5XFAD mouse hippocampus at 4 months after viral injection. Representative bands on western blot analysis of mTORC1 activity (p-4E-BP-1 and 4E-BP-1) and levels of neurotrophic factors (BDNF and CNTF) and their corresponding receptors (TrkB and CNTFR α) in the hippocampus of WT, untreated 5XFAD (CON), and AAV1-Rheb(S16H)-treated 5XFAD mice. Differences among groups were evaluated with the Kruskal-Wallis test or one-way ANOVA and Tukey's *post-hoc* analysis. *p < 0.05 and **p < 0.001 vs. untreated 5XFAD mice (n = 4).