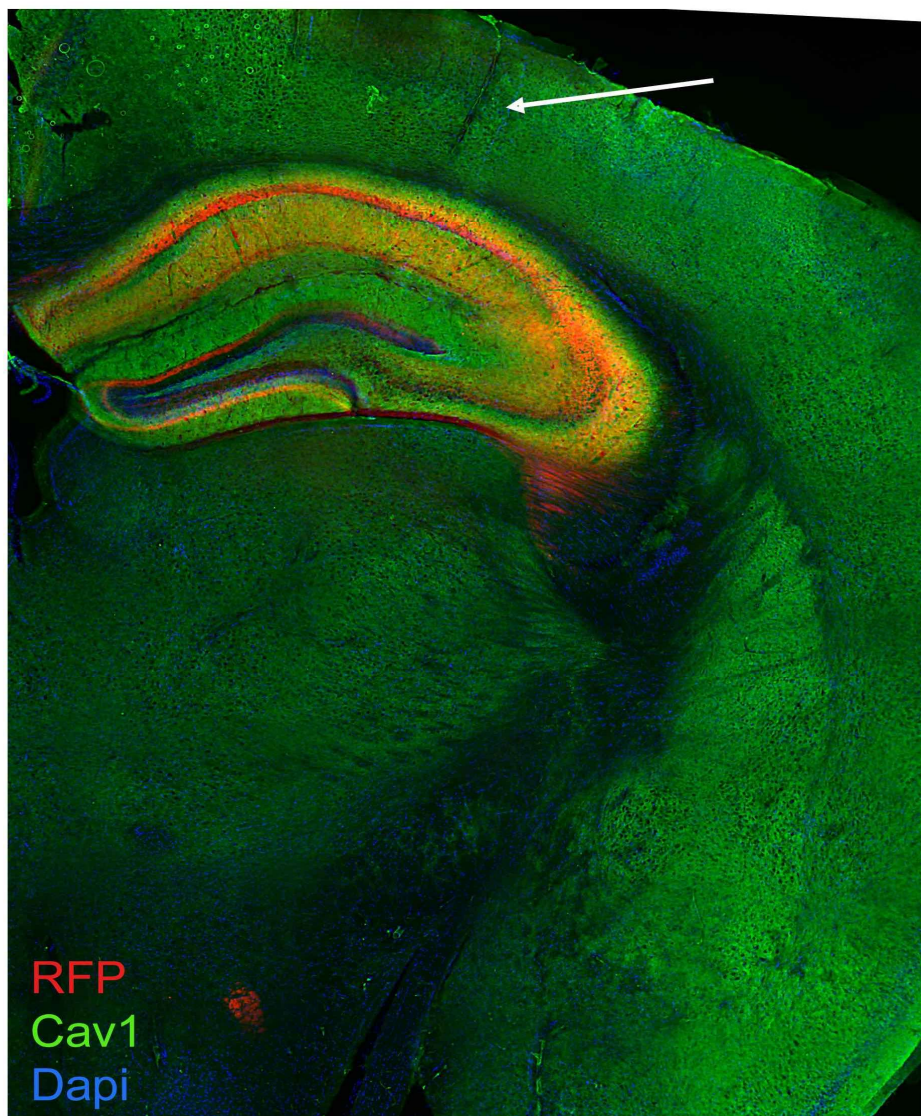
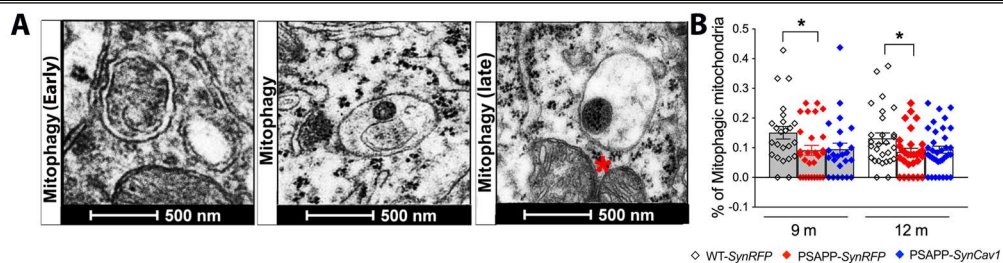


Supplemental Figures



Supplement Figure S1. Representative image of stereo-microinjection of WT-SynRFP at 12m age. Arrow indicates needle track of original injection site.



Supplement Figure S2. Analysis of mitophagy via EM. (A) Representative images of mitophagy. (B) Quantification of mitophagy event at both 9 and 12 months of age. Both PSAPP-SynRFP ($p=0.03$ at 9 and 12 months) and PSAPP-SynCav1 ($p=0.051$ at 9 months, $p=0.059$ at 12 months) group showed lower mitophagy activity compared to WT, no significant change was found between two PSAPP groups. Data are presented as mean \pm S.E.M., $n = 5-6$ per group. Data were analyzed using one-way analysis of variance (ANOVA) followed by Tukey multiple comparisons test. Significance was assumed when $p < 0.05$. * $p < 0.05$.

