

Figure S1. Intrahippocampal infusion of AAV8 encoding GFP. (A) Representative confocal microscopy images at a magnification of x10. (B) The magnified image. The arrow and rectangular box indicate the injection site. AAV, adeno-associated virus; GFP, green fluorescent protein.

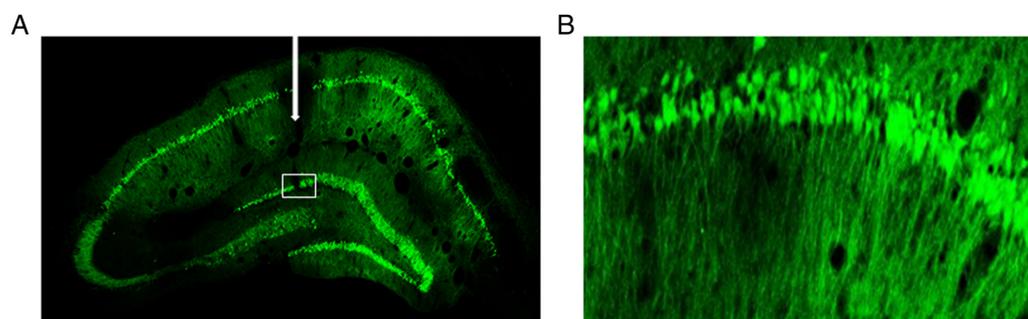


Figure S2. Effect of AAV-ovp-TrkA on cognition in normal rats. (A and B) Western blot analysis of TrkA protein levels between rats in the control group and AAV-ovp-TrkA group. (C) Escape latency in Morris Water Maze between the control group and AAV-ovp-TrkA group. Data are presented as the mean \pm SEM. * $P < 0.05$. AAV, adeno-associated virus; ctl, control; TrkA, tropomyosin receptor kinase A; ovp, overexpressing.

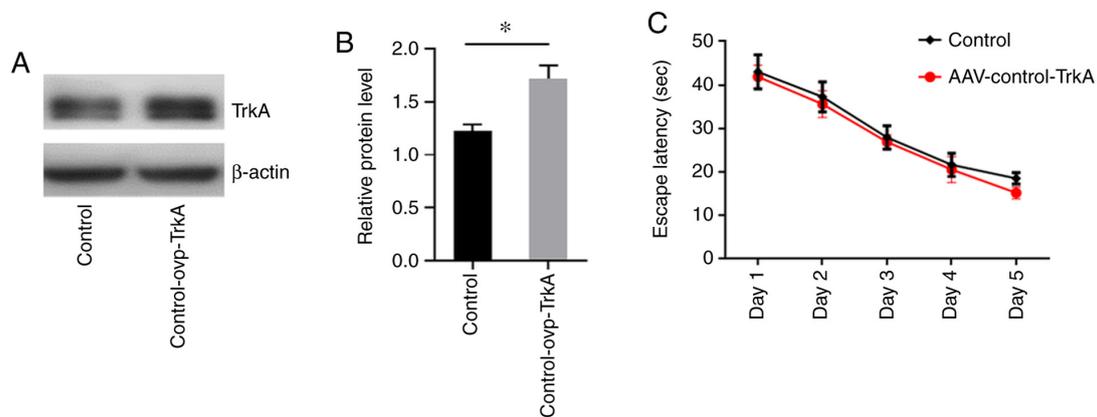


Figure S3. Escape latency in Morris Water Maze between the irradiation group and AAV-irradiation group. There was no difference between the treatment of irradiation and only AAV injection. The two-way ANOVA was used to access the difference between the two treatments. AAV, adeno-associated virus.

