S1. The following figure is a supplement material to Figure 6. The protein band was immunostained by AQP4 antibody and stained by Red ponceau, respectively.

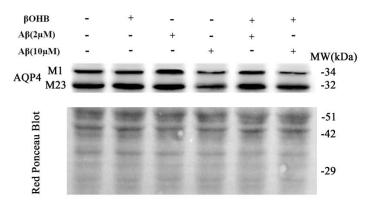


Figure S1. β OHB ameliorated the increase of AQP4-M1/M23 ratio in A β -treated U251 cells. (n=6)

S2. The following figure is a supplement material to Figure 8. The protein band was immunostained by AQP4 antibody and stained by Red ponceau, respectively.

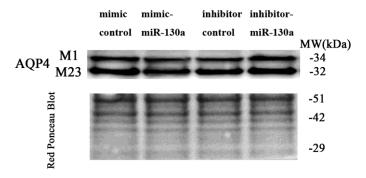


Figure S2.Effect of miR-130a on transcriptional activity of AQP4 and the AQP4-M1/M23 ratio. (n=6)

S3. The following figure is a supplement material to Figure 9. The protein band was immunostained by AQP4 antibody and stained by Red ponceau, respectively.

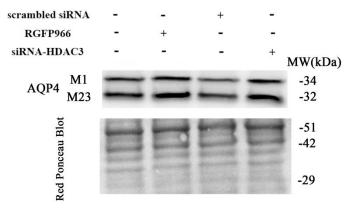


Figure S3. Silencing HDAC3 caused the reduction of AQP4-M1/M23 ratio in U251 cells. (n=6)