Supplementary File

Activation of GPR40 induces hypothalamic neurogenesis through p38- and BDNF-dependent mechanisms

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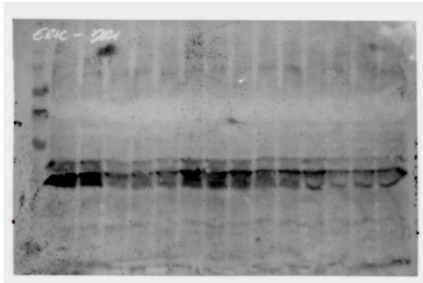
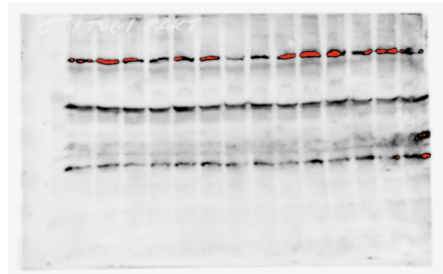
FIGURE S1. The uncut gel images of phospho-ERK, phospo-Akt, total Akt, phospho-P38 and alpha-tubulin immunocontent.

SUPPLEMENTARY TABLE 1. Statistical analysis for all parameters measured using a one-way ANOVA or t-test in the study.

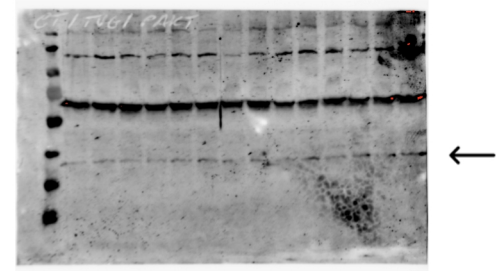
P-ERK



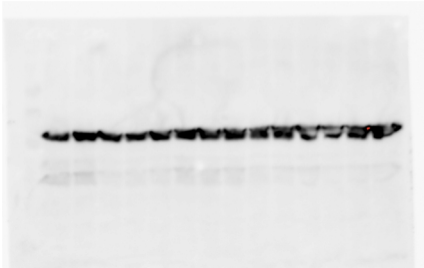
P-Akt



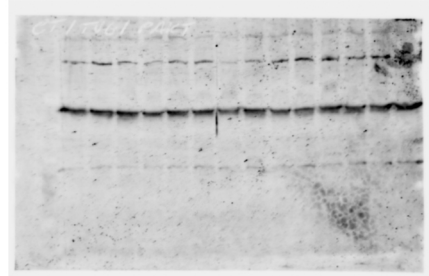
P-P38



alpha-Tubulin



Akt



alpha-Tubulin

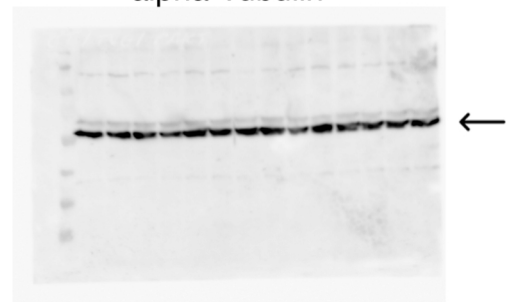


Figure	Analysis
Fig 1C - HVZ	one tailed; t = 1.98, df = 13; p = 0.035
Fig 1C - PA	one tailed; t = 1.65, df = 13; p = 0.06
Fig 1D - HVZ	one tailed; t = 2.24, df = 9; p = 0.026
Fig 1D - PA	one tailed; t = 1.84, df = 9; p = 0.049
Fig 1H	one way ANOVA [F (4, 12) = 60.30; p < 0.001
Fig 2C	one way ANOVA [F (5, 18) = 0. 69; p = 0.64
Fig 2D	one way ANOVA [F (5, 18) = 3. 16; p = 0.03
Fig 2E	one way ANOVA [F (5, 16) = 11. 07; p < 0.001
Fig 2F	one way ANOVA [F (5, 18) = 0. 61; p = 0.70
Fig 2G	one way ANOVA [F (5, 18) = 0. 56; p = 0.73
Fig 2H	one way ANOVA [F (5, 16) = 0. 98; p = 0.46
Fig 2I	one way ANOVA [F (5, 18) = 2.06; p = 0.12
Fig 2J	one way ANOVA [F (5, 18) = 1.15; p = 0.37
Fig 2K	one way ANOVA [F (5, 12) = 7.58; p = 0.002
Fig 3B 2h	Two tailed; t = 14.30, df = 4; p < 0.0001
Fig 3B 4h	Two tailed; t = 0.98 df = 3; p = 0.40
Fig 3B 8h	Two tailed; t = 1.90 df = 3; p = 0.15
Fig 3B 24h	Two tailed; t = 0.75 df = 4; p = 0.49
Fig 3C 2h	Two tailed; t = 0.73 df = 4; p = 0.52
Fig 3C 4h	Two tailed; t = 1.50 df = 4; p = 0.21
Fig 3C 8h	Two tailed; t = 1.14 df = 4; p = 0.32
Fig 3C 24h	Two tailed; t = 2.86 df = 4; p = 0.046
Fig 3D 2h	Two tailed; t = 3.89 df = 6; p = 0.0081
Fig 3D 4h	Two tailed; t = 5.09 df = 6; p = 0.0022
Fig 3D 8h	Two tailed; t = 0.63 df = 6; p = 0.55
Fig 3D 24h	Two tailed; t = 0.41 df = 6; p = 0.70
Fig 3E 2h	Two tailed; t = 1.13 df = 6; p = 0.30
Fig 3E 4h	Two tailed; t = 2.64 df = 6; p = 0.038
Fig 3E 8h	Two tailed; t = 0.25 df = 4; p = 0.82
Fig 3E 24h	Two tailed; t = 2.66 df = 6; p = 0.037
Fig 3F 1h	Two tailed; t = 0.69 df = 3; p = 0.54
Fig 3F 4h	Two tailed; t = 0.30 df = 4; p = 0.78
Fig 3G 1h	Two tailed; t = 2.58 df = 3; p = 0.08
Fig 3G 4h	Two tailed; t = 2.06 df = 4; p = 0.11
Fig 3H 1h	Two tailed; t = 1.10 df = 3; p = 0.35
Fig 3H 4h	Two tailed; t = 2.59 df = 4; p = 0.03
Fig 4B	one way ANOVA [F (2, 22) = 5.77; p = 0.0046
Fig 4C	one way ANOVA [F (3, 8) = 10.45; p = 0.0038
Fig 4D	one way ANOVA [F (3, 27) = 2.35; p = 0.09
Fig 4E	one way ANOVA [F (3, 28) = 43.17; p < 0.0001
Fig 4F	one way ANOVA [F (3, 28) = 0.28; p = 0.84
Fig 4G	one way ANOVA [F (3, 8) = 7.13; p = 0.01
Fig 4I	one way ANOVA [F (3, 15) = 4.89; p = 0.014

Fig 4J one way ANOVA [F (3, 14) = 1.40; p = 0.28