

# Supplementary materials

## Ergosterol Ameliorates Hypoxic-Ischemic Encephalopathy in Mice via Regulation of the Akt/GSK-3 $\beta$ Pathway

Table S1 Primer sequences of genes for quantitative real-time PCR.

| Gene          | Forward primer (5'–3') | Reverse primer (3'–5') |
|---------------|------------------------|------------------------|
| TNF- $\alpha$ | CAAGGGACAAGGCTGCCCCG   | GCAGGGGCTCTTGACGGCAG   |
| IL-1 $\beta$  | GAAATGCCACCTTTTGACAGTG | TGGATGCTCTCATCAGGACAG  |
| IL-6          | GCTGGTGACAACCACGGCCT   | AGCCTCCGACTTGTGAAGTGGT |
| GAPDH         | TTCAACACCCCAGCCATG     | CCTCGTAGATGGGCACAGT    |

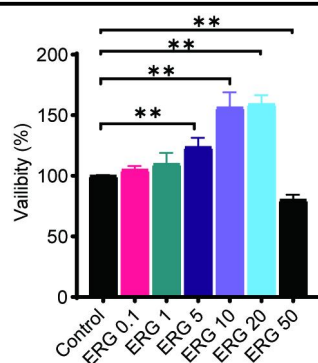


Figure S1 Vitality of HT22 cells after ERG treatment with different doses.

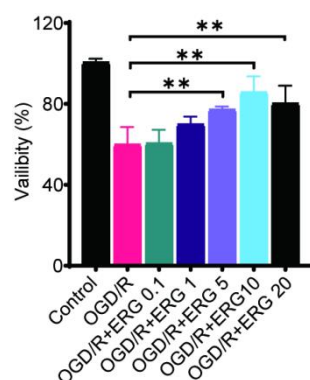


Figure S2 Effect of varying doses of ERG on OGD/R-induced injury in HT22 cells.



Figure S3 ERG reduces cerebral infarction in a dose-dependent manner in HIE mice.

Figure 2: Original image of WB

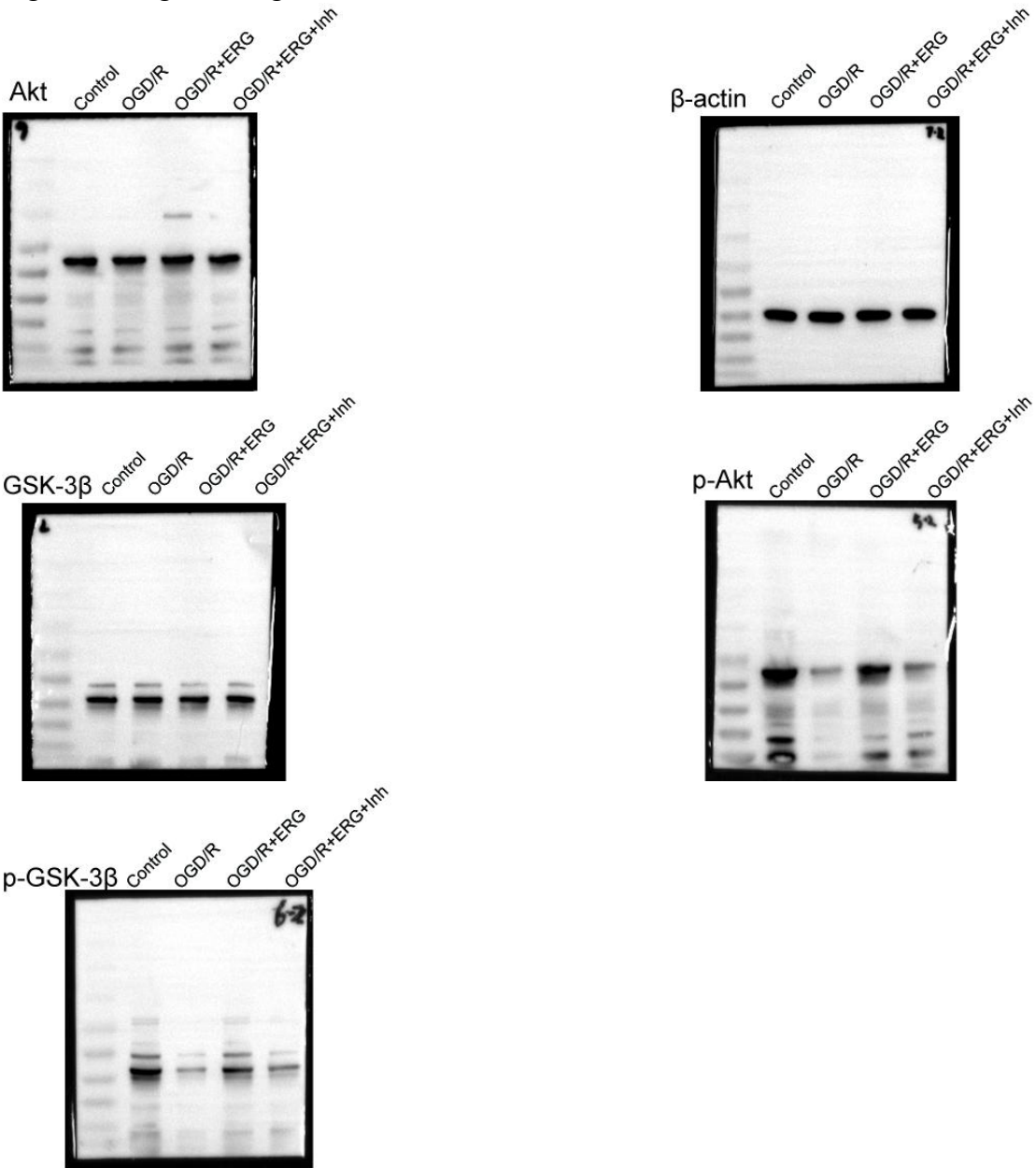
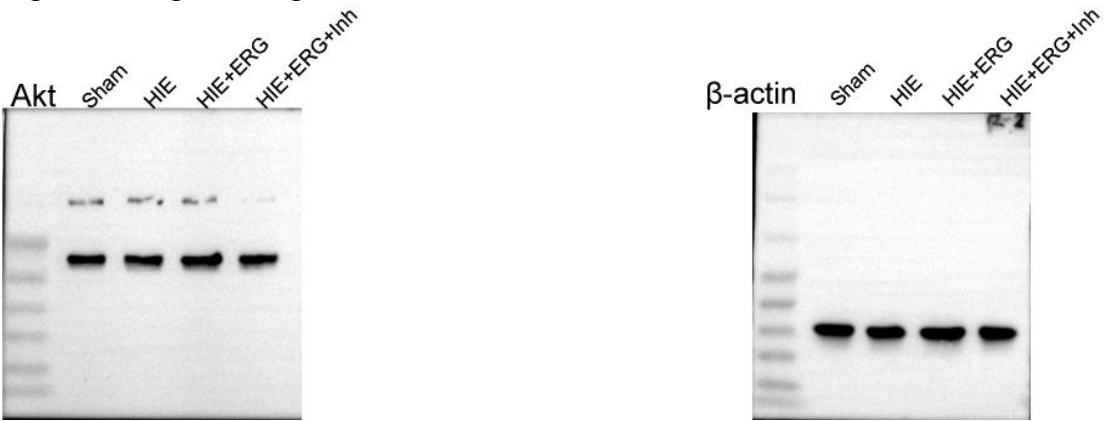


Figure 3: Original image of WB



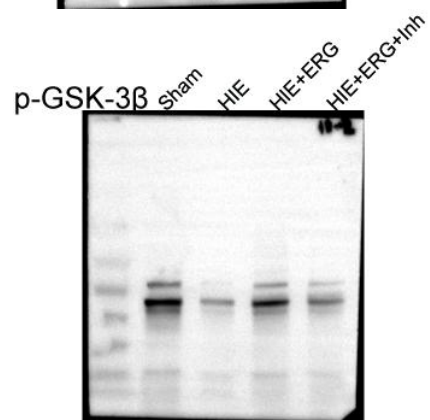
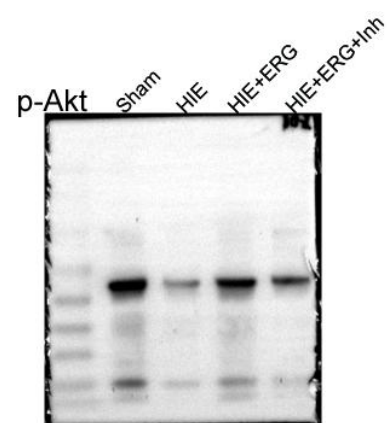
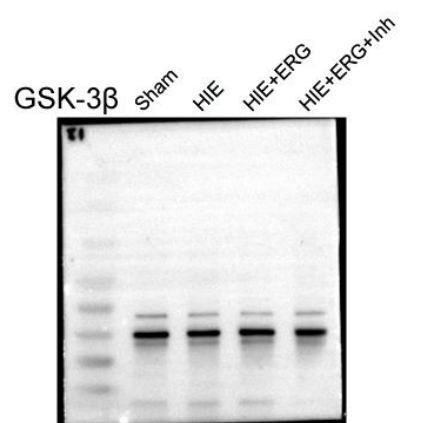
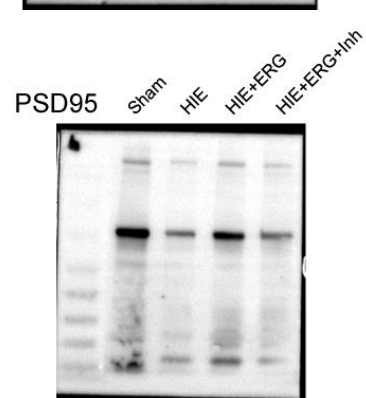
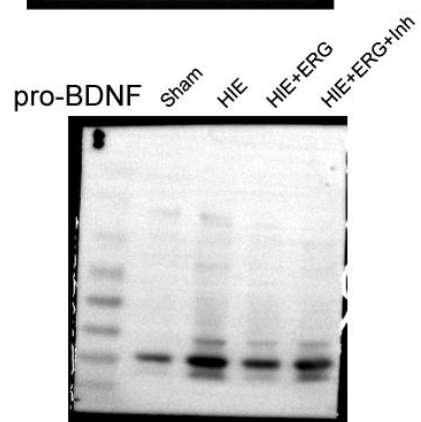
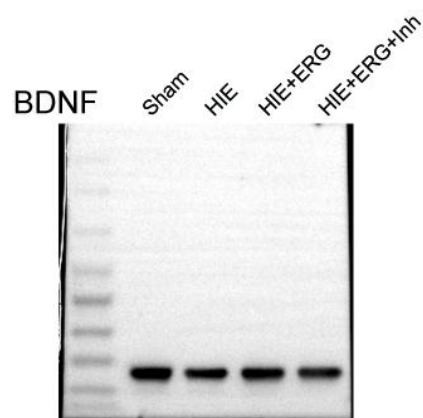
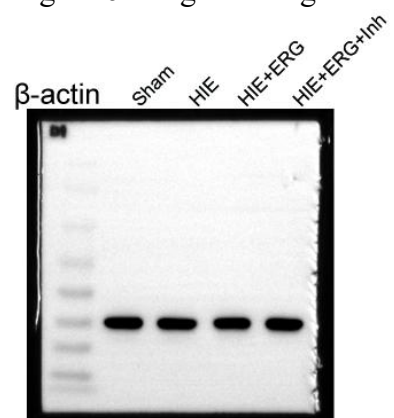


Figure 6: Original image of WB



Synaptophysin Sham HIE HIE+ERG HIE+ERG+Inh

