

Supplementary Materials: Thioredoxin-Interacting Protein Mediates Apoptosis in Early Brain Injury after Subarachnoid Haemorrhage

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Table S1. Brain water content.

Groups	LH	RH	CB	BS
Sham	78.45 ± 0.09%	78.41 ± 0.06%	78.31 ± 0.05%	72.74 ± 0.20%
SAH	78.98 ± 0.15%	78.87 ± 0.40%	78.78 ± 0.17%	73.06 ± 0.28%
Control siRNA	78.92 ± 0.31%	79.12 ± 0.24%	78.81 ± 0.24%	72.97 ± 0.15%
TXNIP siRNA	78.66 ± 0.17%	78.73 ± 0.11%	78.55 ± 0.12%	72.89 ± 0.17%
Normal saline	78.96 ± 0.08%	78.94 ± 0.07%	78.93 ± 0.10%	72.50 ± 0.20%
RES	78.63 ± 0.09%	78.64 ± 0.13%	78.68 ± 0.12%	72.69 ± 0.12%
DMSO	79.23 ± 0.20%	79.11 ± 0.24%	78.96 ± 0.09%	72.28 ± 0.12%
GSK2656157	78.61 ± 0.12%	78.75 ± 0.17%	78.67 ± 0.08%	72.48 ± 0.17%

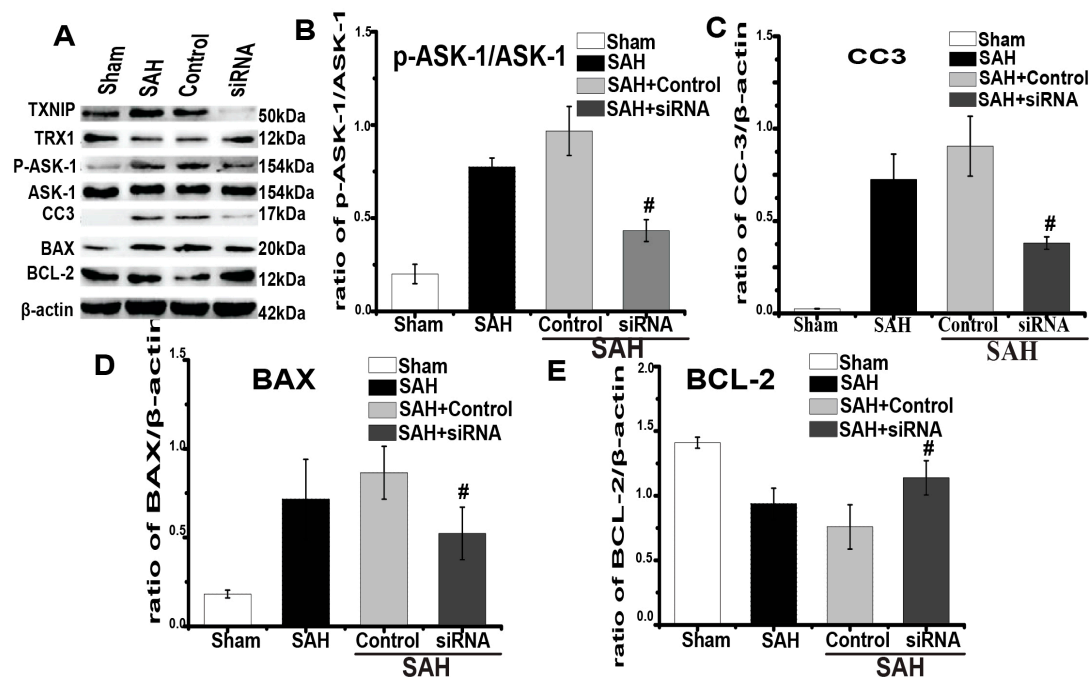


Figure S1. P-ASK-1, ASK-1, cleaved-Caspase-3, BAX and BCL-2 expression after TXNIP siRNA treatment. (A–E) Representative Western blot of TXNIP, TRX1, p-ASK-1/ASK-1, cleaved Caspase-3, BAX and BCL-2. P-ASK-1/ASK-1, cleaved Caspase-3, BAX and BCL-2 expression were downregulated by TXNIP siRNA. # $p < 0.05$ vs. SAH + NS.

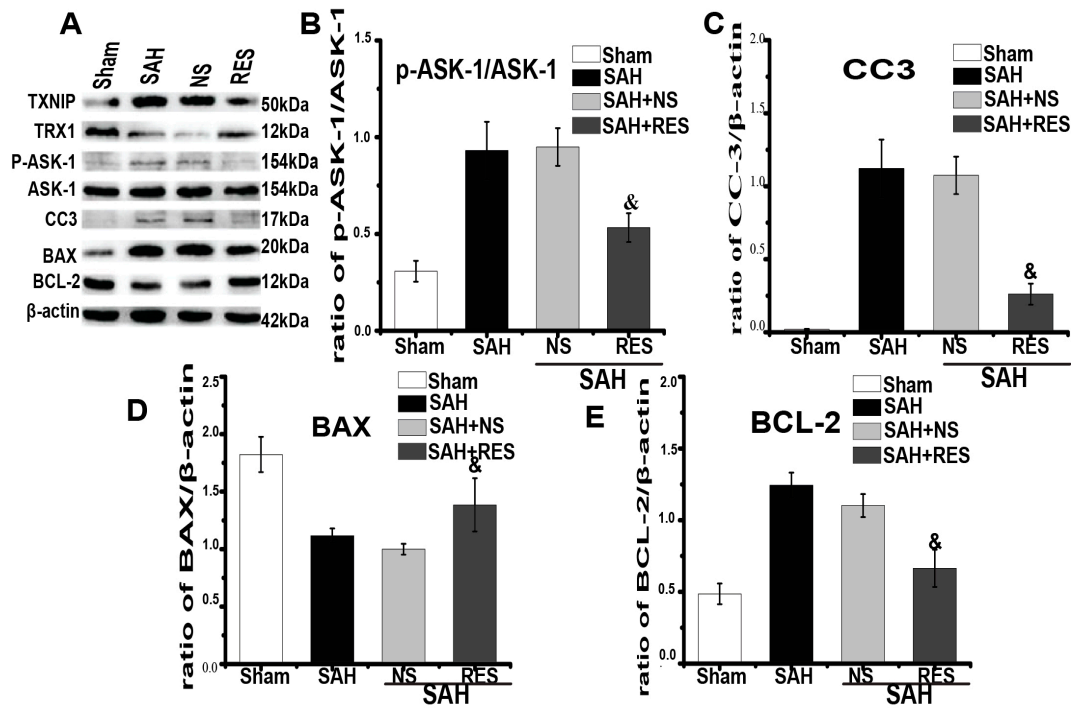


Figure S2. P-ASK-1, ASK-1, cleaved-Caspase-3, BAX and BCL-2 expression after Resveratrol (RES) treatment. (A–E) Representative Western blot of TXNIP, TRX1, p-ASK-1/ASK-1, cleaved Caspase-3, BAX and BCL-2. P-ASK-1/ASK-1, cleaved Caspase-3, BAX and BCL-2 expression were downregulated by Resveratrol (RES). & $p < 0.05$ vs. SAH + NS.

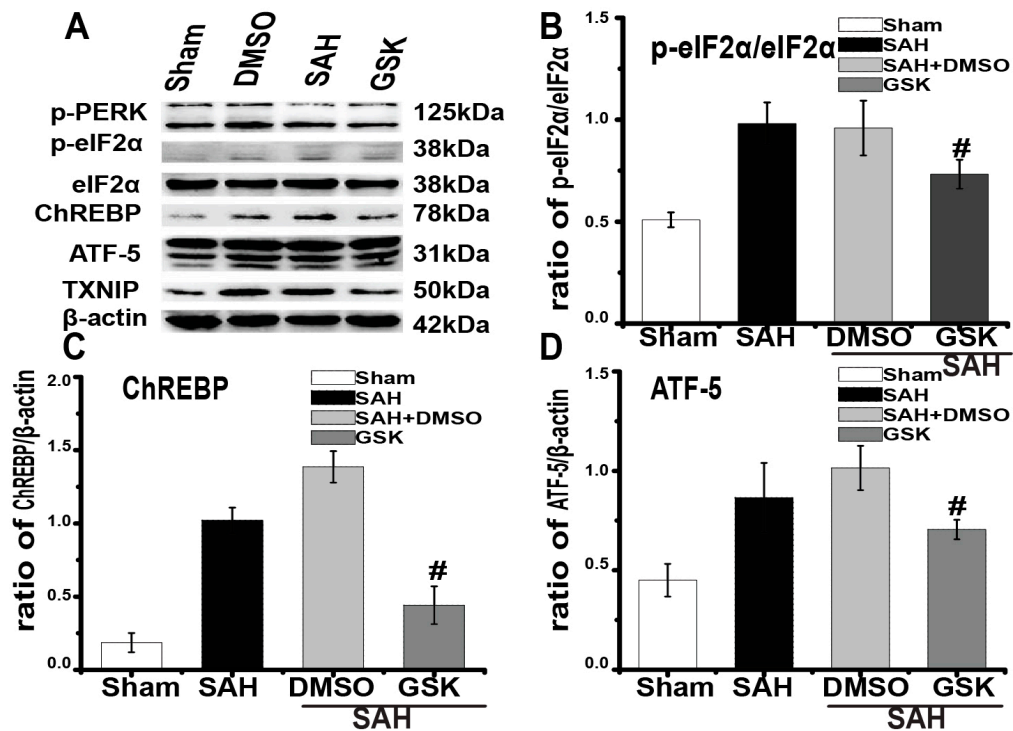


Figure S3. GSK2656157 treatment suppressed the expression of PERK downstream proteins. (A–D) Representative Western blot of p-PERK, TXNIP, p-eIF2α/eIF2α, ATF-5 and ChREBP. PERK downstream proteins expression were downregulated by GSK2656157 treatment. # $p < 0.05$ vs. SAH + DMSO.