

Supplementary Materials

Metformin ameliorates early brain injury after subarachnoid hemorrhage via improving endoplasmic reticulum stress and mitochondrial stress-mediated Ca^{2+} imbalance

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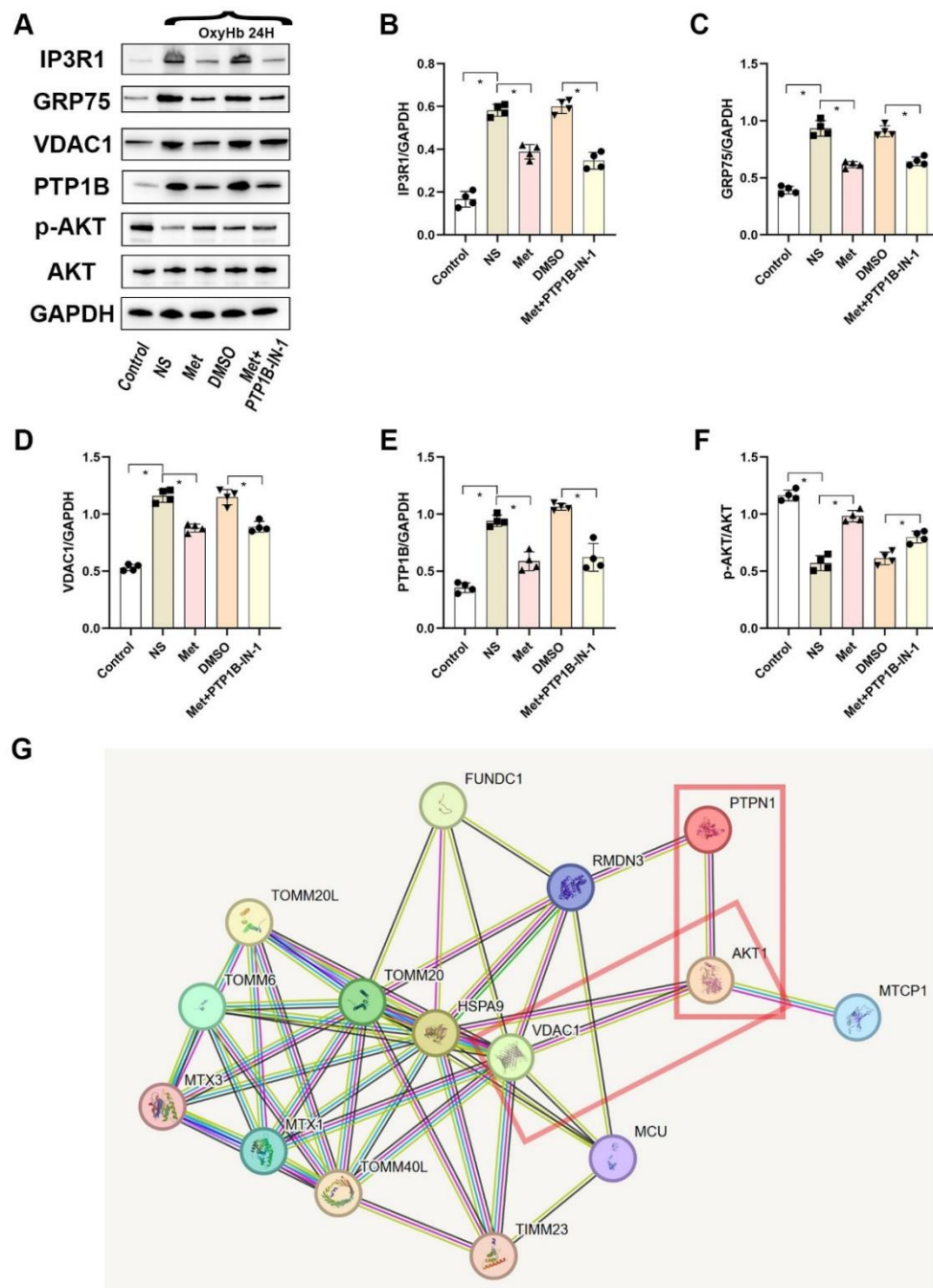


Fig. S1 Verify IP3R1-GRP75-VDAC1 complex as the downstream of the PTP1B/AKT axis following SAH 24 hours in vitro

(A-F) Representative Western blot band and densitometric quantification of PTP1B, p-AKT, AKT, IP3R1, GRP75, and VDAC1 in primary neurons induced by the OxyHb. The expression of the IP3R1-GRP75-VDAC1

complex was upregulated accordingly. ^{ns} $P > 0.05$, $*P < 0.05$. Values were presented as the mean $\pm$ SD from four independent experiments (N=4). Samples derived from the same experiment, and the gels were processed in parallel. Protein expression levels were normalized to GAPDH as an internal control. Individual gels were run for the separate proteins when the loading protein amount was consistent. (G) PTP1B/AKT and IP3R1-GRP75-VDAC1 proteins interaction network analysed by STRING (string-db.org).