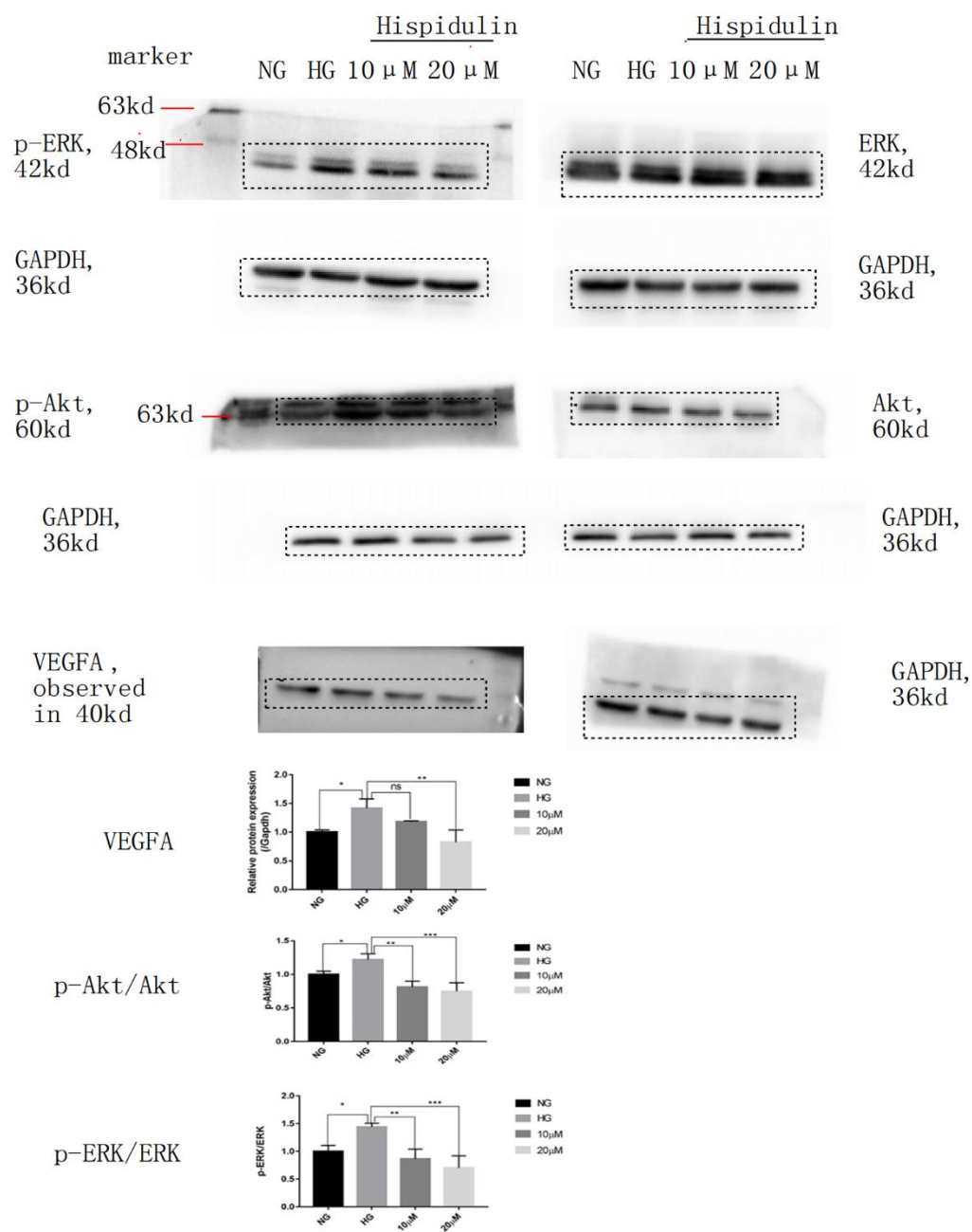


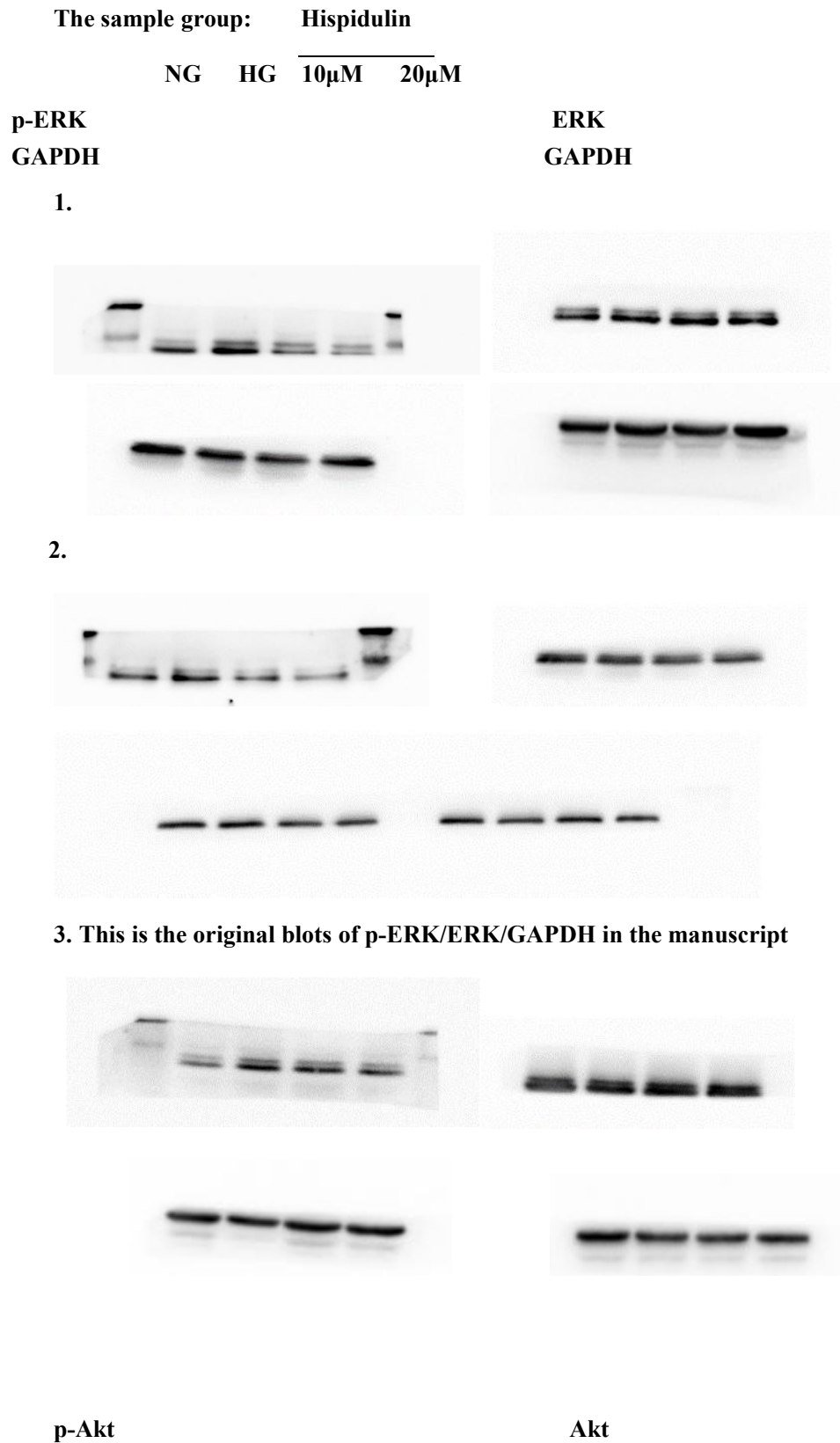


Supplementary Figure S1: Effect of hispidulin on the protein expression level of VEGF (VEGFA) and phosphorylation of Akt and ERK1/2 under high glucose (HG, 30mM) condition.

- Red line showed the site of marker (PR1910, Solarbio) and the marker's color of blots under 48kd was not obvious which was possibly due to overexposure.
- The dashed boxes represented the part of clipped blots used in the main text of manuscript.
- The results showed that only 20μM concentration of hispidulin down-regulated the expression of VEGFA, but both 10μM and 20μM concentration of hispidulin decreased phosphorylation of Akt and ERK1/2 which was in a dose-dependent manner.

D. Data are presented as mean $\pm$ SD (n=3) and analyzed by one-way ANOVA and followed by Dunnett's multiple comparison test. *P<0.05, **P<0.01 and ***P <0.001 versus HG group.

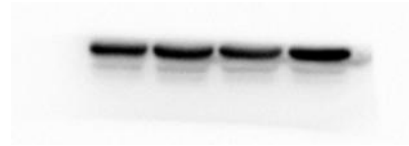
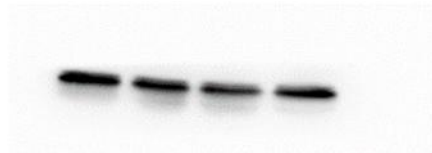
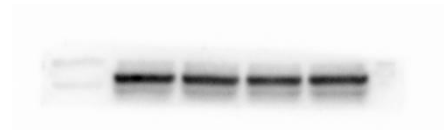
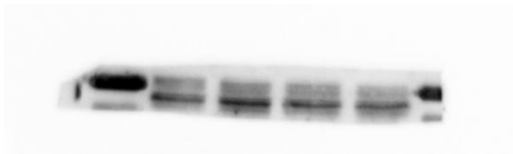
All the original blots for all replicates performed.



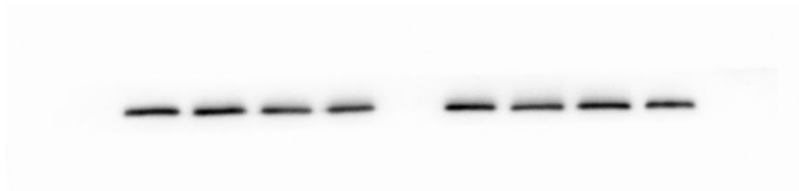
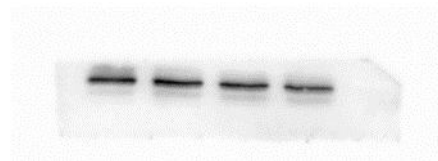
GAPDH

GAPDH

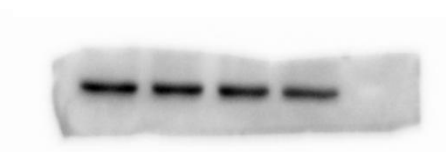
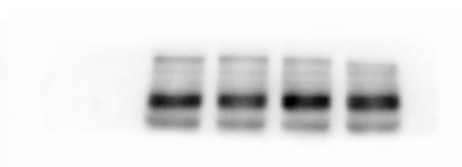
1.



2. This is the original blots of p-Akt/Akt/GAPDH in the manuscript



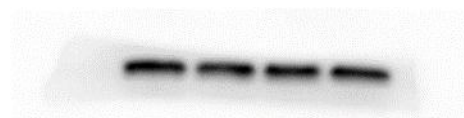
3.



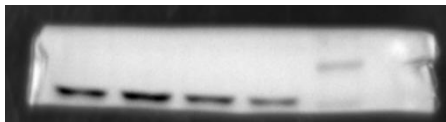
VEGFA

GAPDH

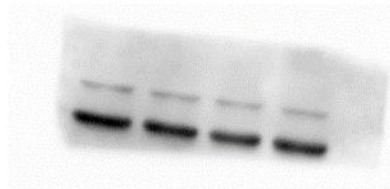
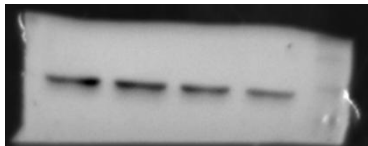
1.



2.



3. This is the original blots of VEGFA/GAPDH in the manuscript



Note: the gapdh blots of the first two picture were clipped and the antibody of last gapdh was directly incubated after the left blot of VEGFA.