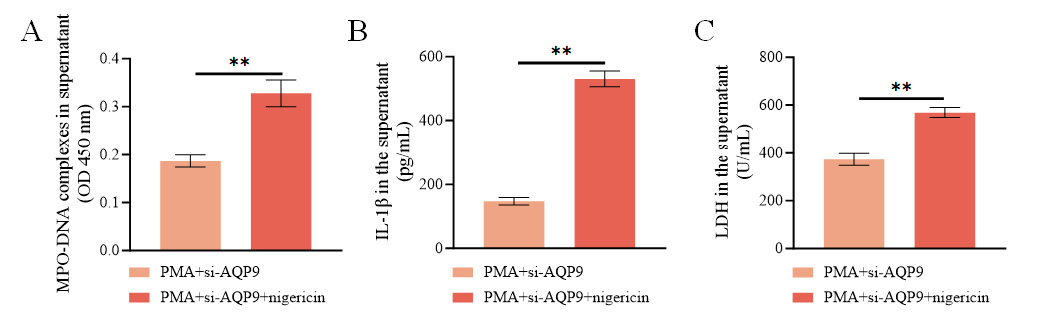


Supplementary Figure 1. **AQP9 knockdown inhibits PMA-induced formation of NETs to alleviate intestinal epithelial cell injury.** (A) Measurement of the levels of MPO-DNA in NC, PMA, PMA+si-NC and PMA+si-AQP9 groups by ELISA (n=3). (B) Measurement of the levels of IL-1β in NC, PMA, PMA+si-NC and PMA+si-AQP9 groups by ELISA (n=3). (C) Measurement of the levels of LDH in NC, PMA, PMA+si-NC and PMA+si-AQP9 groups by kit (n=3). \*\**P*<0.01



Supplementary Figure 2. **AQP9 knockdown inhibits pyroptosis-mediated formation of NETs to alleviate intestinal epithelial cell injury.** (A) Measurement of the levels of MPO-DNA in PMA+si-AQP9 and PMA+si-AQP9+nigericin groups by ELISA (n=3). (B) Measurement of the levels of IL-1β in PMA+si-AQP9 and PMA+si-AQP9+nigericin groups by ELISA (n=3). (C) Measurement of the levels of LDH inPMA+si-AQP9 and PMA+si-AQP9+nigericin groups by kit (n=3).\*\**P*<0.01



Supplementary Figure 3. **AQP9 knockdown inhibits the JAK2-STAT3 pathway to regulate pyroptosis-mediated formation of NETs to alleviate intestinal epithelial cell injury.** (A) Measurement of the levels of MPO-DNA in PMA+si-AQP9 and PMA+si-AQP9+Colivelin groups by ELISA (n=3). (B) Measurement of the levels of IL-1β in PMA+si-AQP9 and PMA+si-AQP9+Colivelin groups by ELISA (n=3). (C) Measurement of the levels of LDH in PMA+si-AQP9 and PMA+si-AQP9+Colivelin groups by kit (n=3).\*\**P*<0.01