



**Fig. S12. ACT facilitated the fusion of autophagosome lysosome *via* inducing VAMP8.**

(A) The protein expression of VAMP8, STX17, SNAP29 and ATG5 in AML12 cells were normalized with  $\beta$ -ACTIN. (B and C) The protein expression of VAMP8 and CMPK2 in AML12 cells were normalized with  $\beta$ -ACTIN. (D) Immunoprecipitation assays were analyzed by western blot in AML12 cells. Statistical significance: \*\*\* $p < 0.001$ , compared with control group; # $p < 0.05$ , ## $p < 0.01$ , ### $p < 0.001$ , compared with the model group (n = 3).