New study suggests a promising therapeutic target for sepsis

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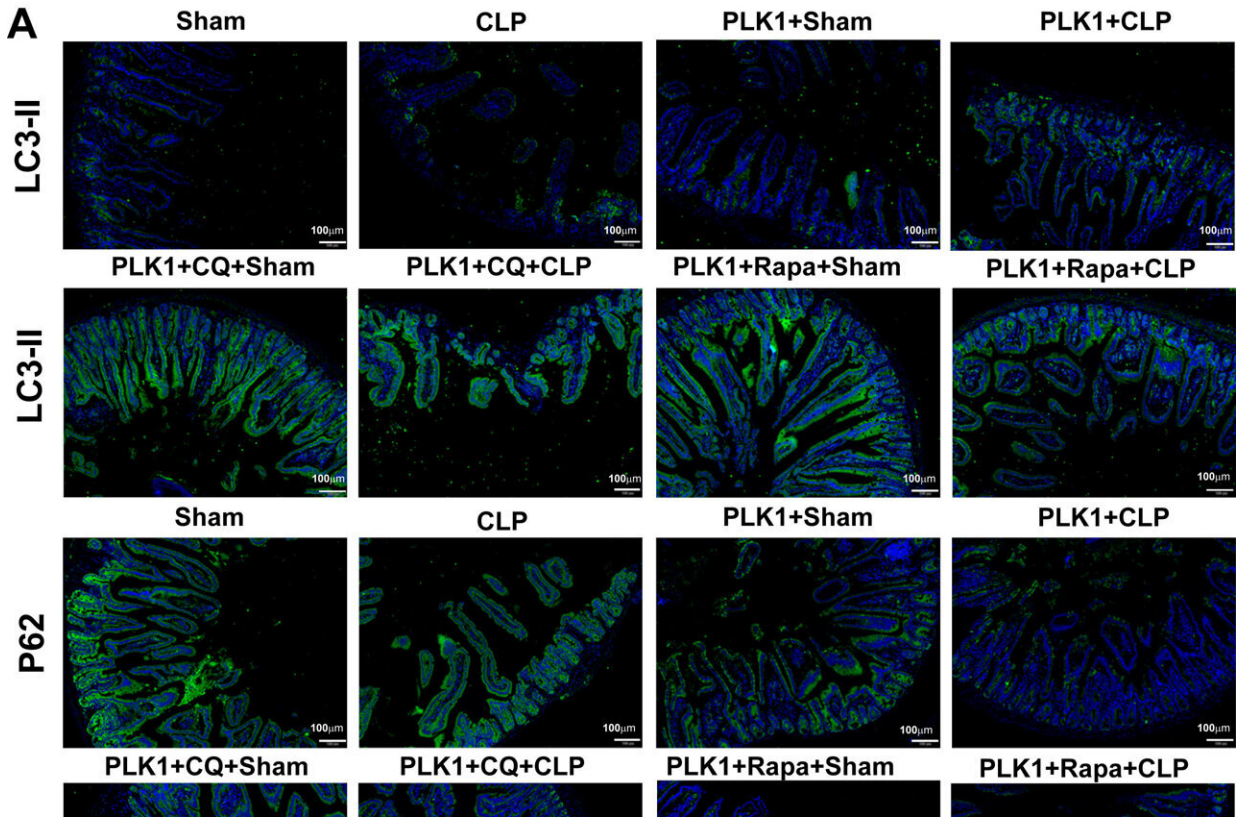

PLK1 promotes intestinal epithelial autophagy in intestinal epithelia in cecal ligation and puncture (CLP) mice. CAG-PLK1 mice were intraperitoneally injected with chloroquine (CQ; 60 mg/kg bodyweight) or rapamycin (Rapa; 10 mg/kg bodyweight) 1 hour after the CLP operation; the mice were then sacrificed 24 hours after CLP. A: Representative images of LC3-II and P62 immunohistochemical staining in the intestine in each group are shown. B: The levels of autophagy markers in the intestine were analyzed by Western blot analysis. The graph shows the relative band densities. C: The mRNA expression

of LAMP2 in each group is shown. Data are expressed as means ± SD. n = 3 independent experiments. ∗P