Figure S1 These were the results of immunohistochemistry of beclin-1 in all groups. The positive cells showed brown. The beclin-1 increased gradually on days 0, 7 and 14 in all groups. Beclin-1 expression in the N+ uninfected group was significantly higher than uninfected diabetic group on days 7 and 14. Among the diabetic infected rats, the expression of beclin-1 was higher in the P. aeruginosa ΔpcrV group than the P. aeruginosa group on day 14 (400×).
Figure S2 These were the results immunohistochemistry of LC3 in all groups. The positive cells showed brown. The LC3 increased gradually on days 0, 7 and 14 in all groups. Among the diabetic infected rats, the expression of LC3 was higher in the *P. aeruginosa* △pcrV group than the *P. aeruginosa* group on day 14 (400x).
Figure S3 These were the results immunohistochemistry of p62 in all groups. The positive cells showed brown. The expression of p62 decreased gradually on days 7 and 14. Compared with the N + P. aeruginosa group, the expression of p62 expression was higher on day 14 (400×).
These were the results of immunohistochemistry of beclin-1 in all groups. The positive cells showed brown. Among the diabetic groups, in the DM + *P. aeruginosa* + Rapamycin group the expression of beclin-1 was higher on day 14 than others. There was no significant difference in the expression of beclin-1 between the DM + *P. aeruginosa* + Gentamicin and DM + *P. aeruginosa* groups at any time point. Among the normal groups, in the normal + *P. aeruginosa* + Rapamycin group, the expression of beclin-1 was higher on day 7, compared with the N + *P. aeruginosa* group. The expression of beclin-1 was higher in the N + *P. aeruginosa* + Rapamycin group compared with the DM + *P. aeruginosa* + Rapamycin group (400×).
Figure S5 These was the results immunohistochemistry of LC3 in all groups. The positive cells showed brown. Among the diabetic groups, in the DM + P. aeruginosa + Rapamycin group the expression of beclin-1 was higher on day 14 compared with the DM + P. aeruginosa group. There was no significant difference in the expression of LC3 between the DM + P. aeruginosa + Gentamicin and DM + P. aeruginosa groups at any time point. The expression of LC3 was higher on days 7 and day 14 in the N + P. aeruginosa + Rapamycin group compared with the DM + P. aeruginosa + Rapamycin group (400×).
Figure S6 These was the results immunohistochemistry of p62 in all groups. The positive cells showed brown. In the DM + *P. aeruginosa* + Rapamycin group, the expression of p62 was lower on days 7 and 14 compared with the DM + *P. aeruginosa* group. There was no significant difference in the expression of p62 between the DM + *P. aeruginosa* + Gentamicin and DM + *P. aeruginosa* groups at any time point. The expression of p62 were lower on days 7 and day 14 in the N + *P. aeruginosa* + Rapamycin group compared with the DM + *P. aeruginosa* + Rapamycin group (400×).