

Figure legend

**Figure 1A-D:** Beclin1, P62, and LC3 expression of non-infarcted areas of rat myocardial tissues

**Figure E-H:** Beclin1, P62, and LC3 expression of H9c2 cells

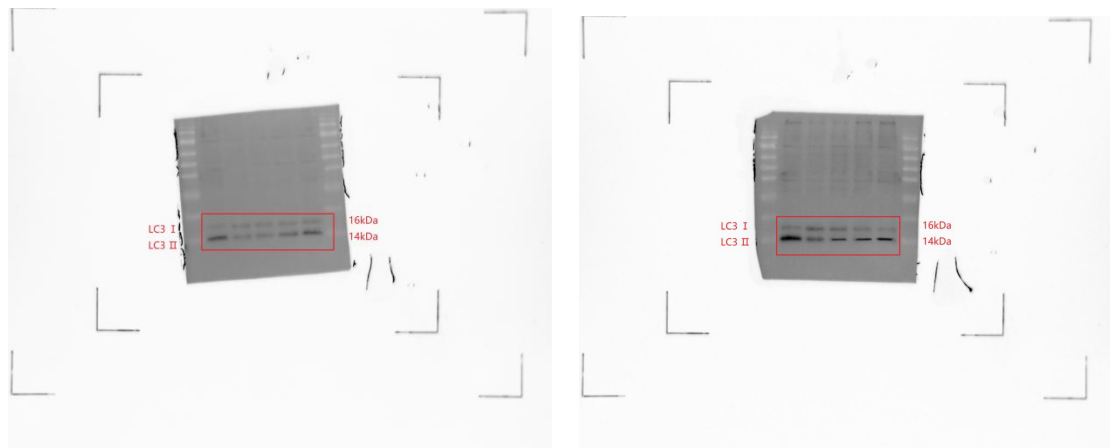
**Figure I-P:** AMPK, p-AMPK, mTOR, p-mTOR, ULK1, p-ULK1(S757), and p-ULK1(S555) expression in H9c2 cells

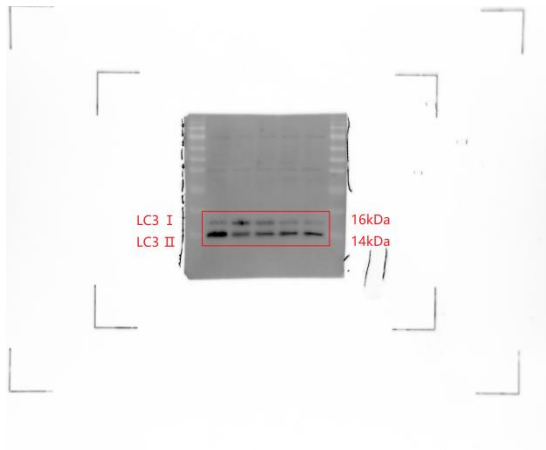
**Figure Q-W:** AMPK, p-AMPK, mTOR, p-mTOR, ULK1, and p-ULK1(S757) expression of non-infarcted areas of rat myocardial tissues

**Figure 2A-D:** Beclin1, P62, and LC3 expression of infarcted areas of rat myocardial tissues

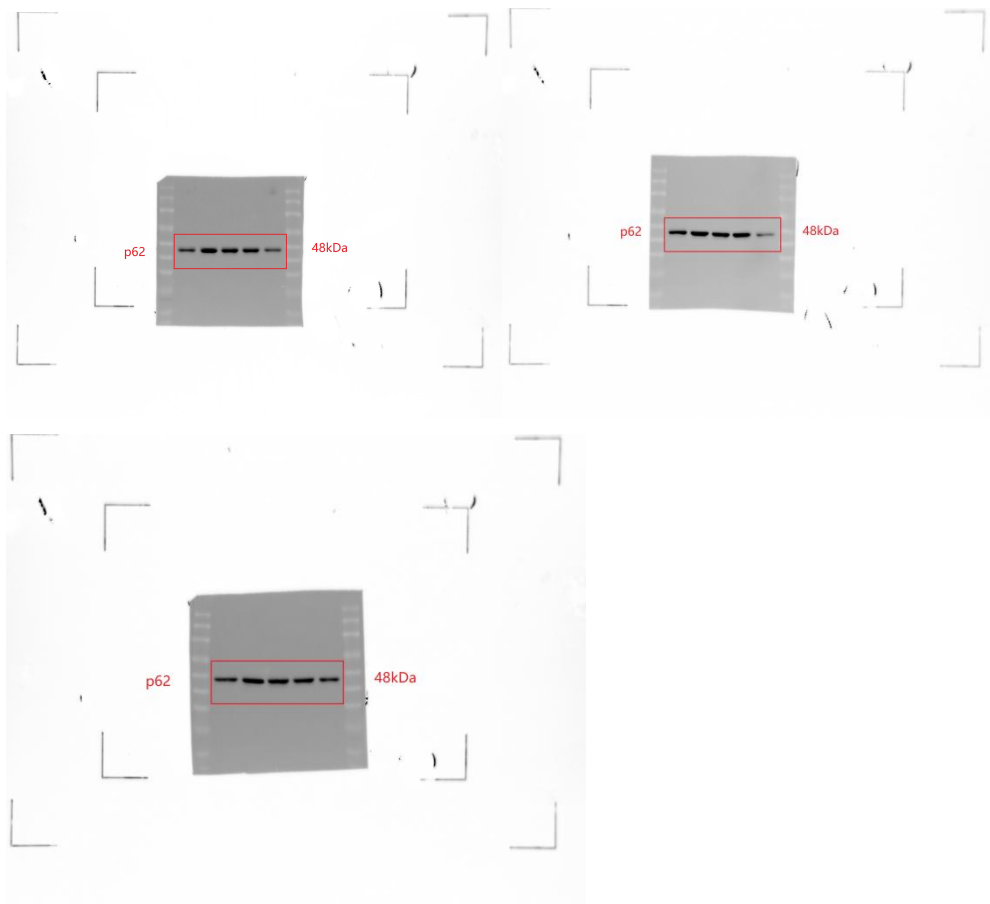
**Figure 2E-K:** AMPK, p-AMPK, mTOR, p-mTOR, ULK1, and p-ULK1(S757) expression of infarcted areas of rat myocardial tissues

1A: LC3 expression of non-infarcted areas of rat myocardial tissues

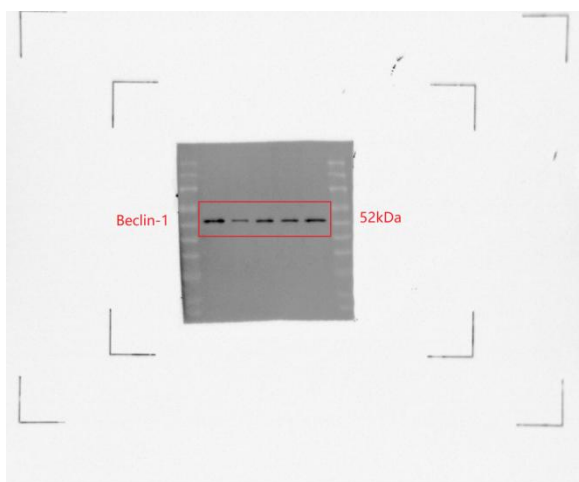
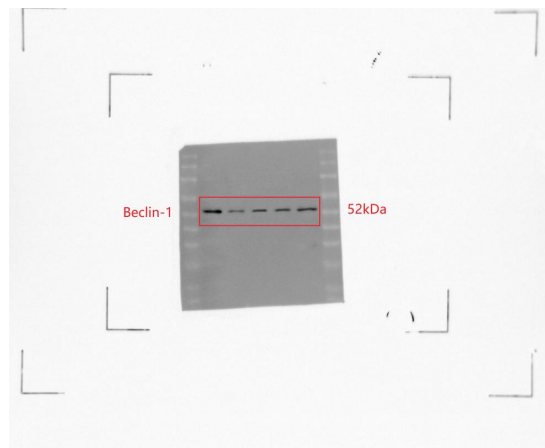
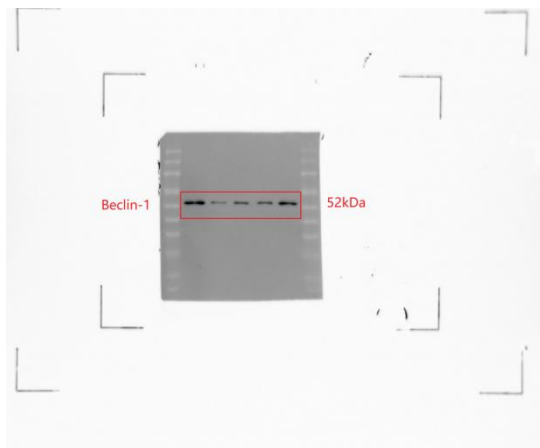




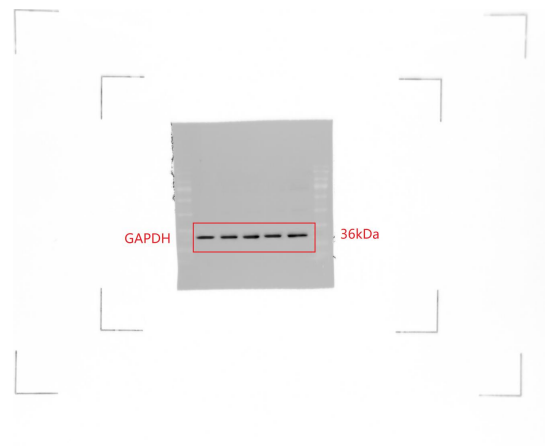
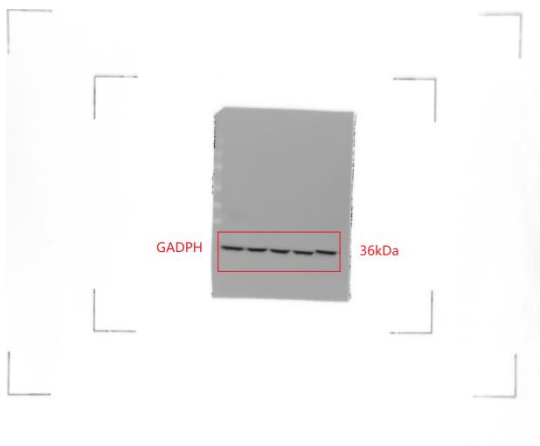
### B: P62 expression of non-infarcted areas of rat myocardial tissues



### C: Beclin1 expression of non-infarcted areas of rat myocardial tissues

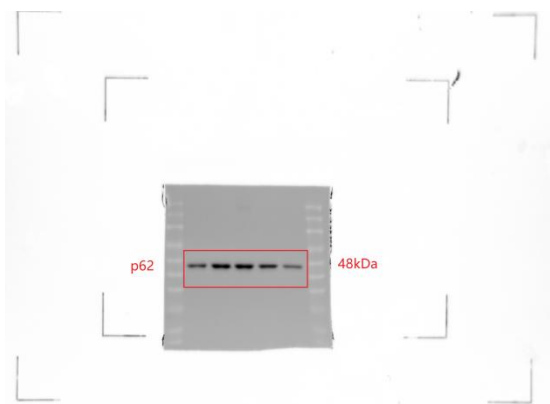
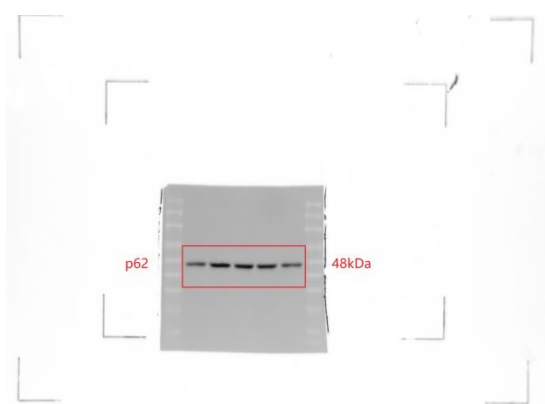


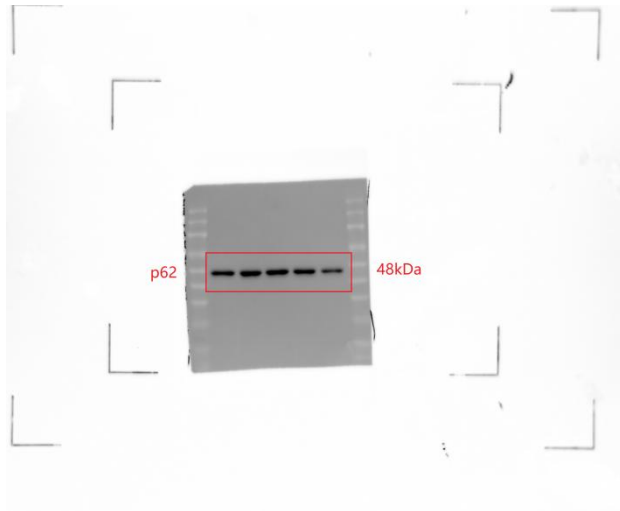
**D: GAPDH expression of non-infarcted areas of rat myocardial tissues**



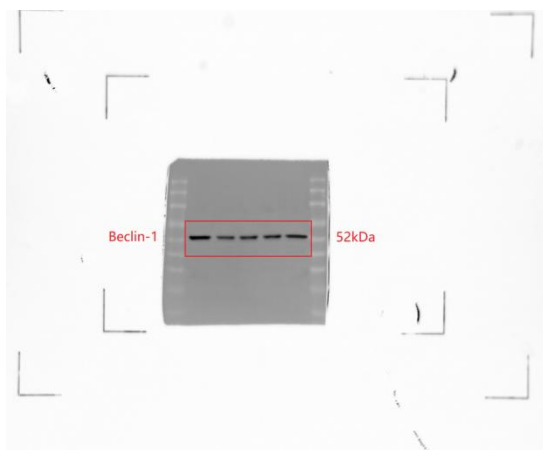
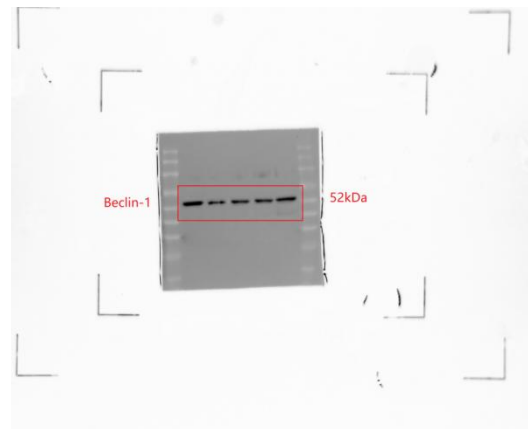
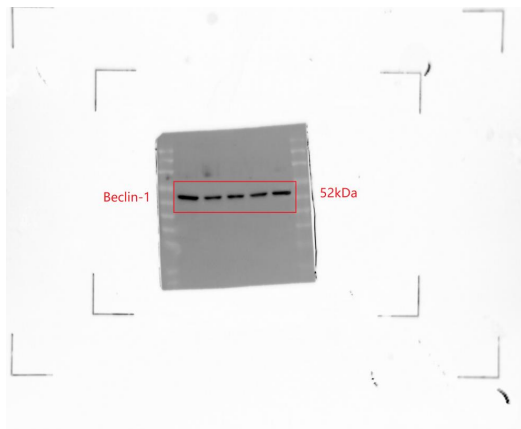


E: P62 expression of H9c2 cells

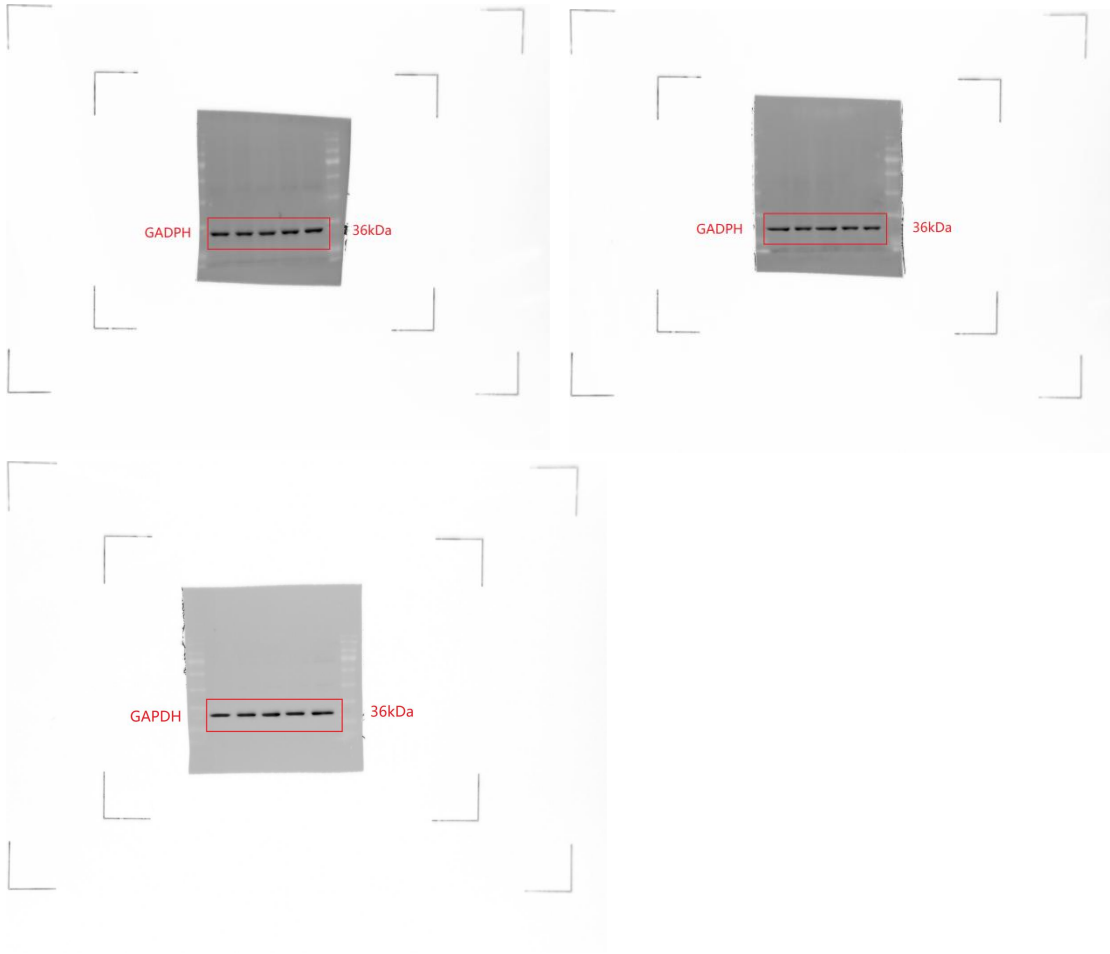




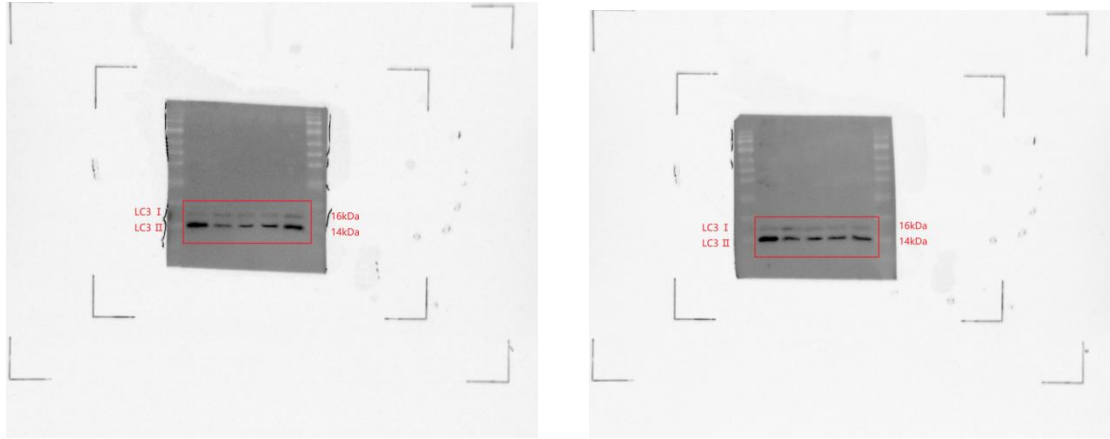
F: Beclin1 expression of H9c2 cells

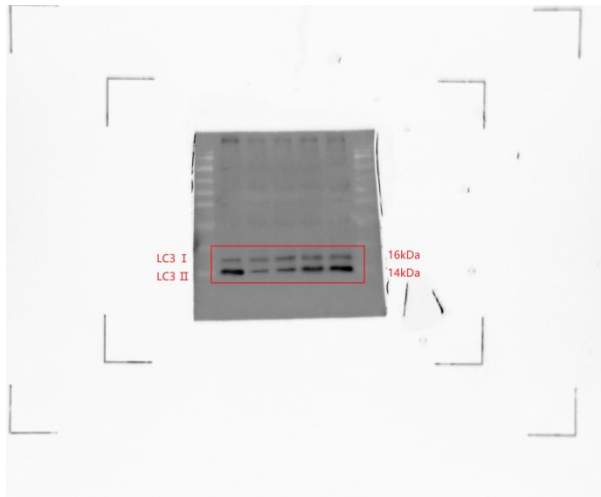


G: GAPDH expression of H9c2 cells

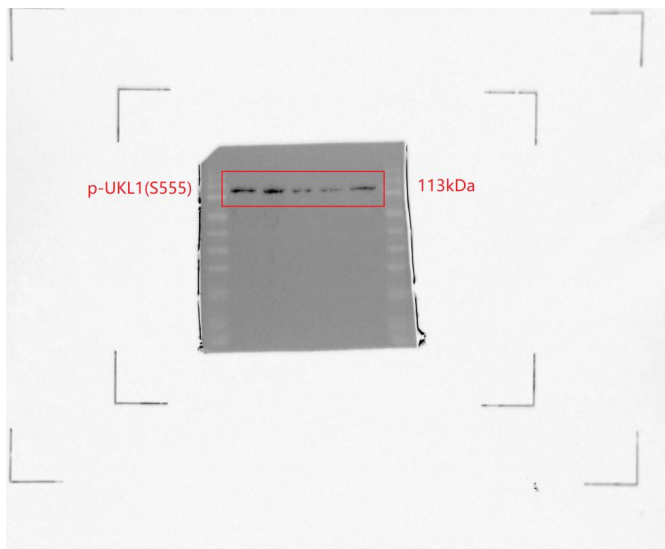


H: LC3 expression of H9c2 cells

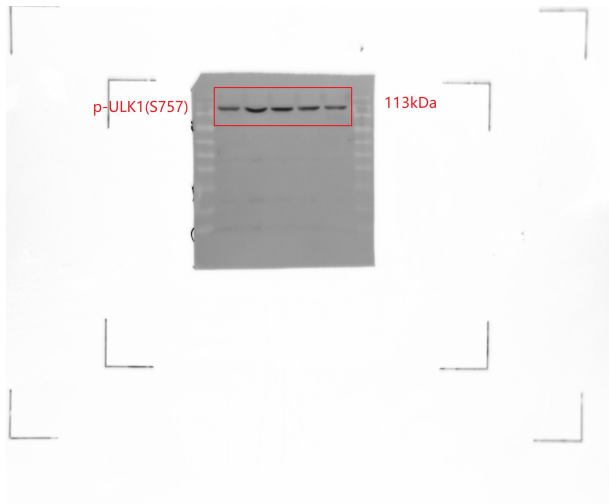
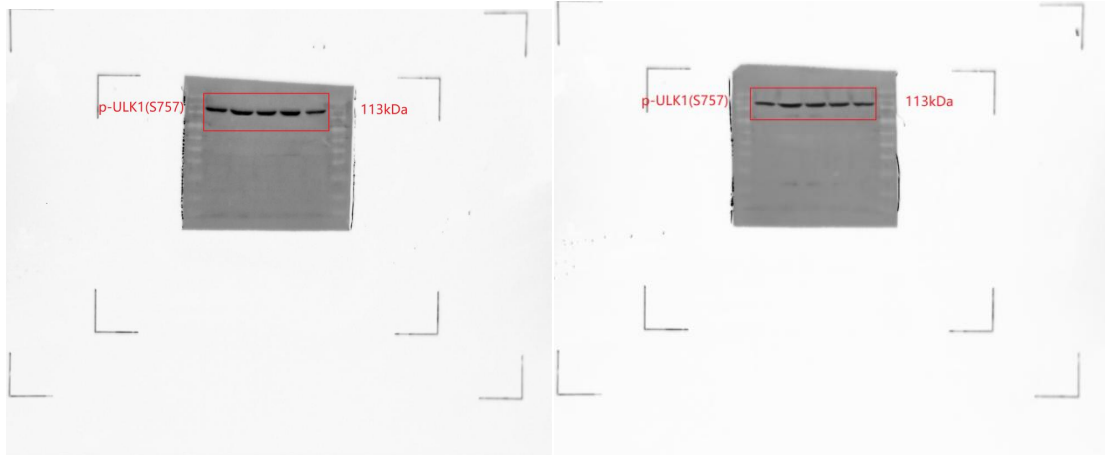




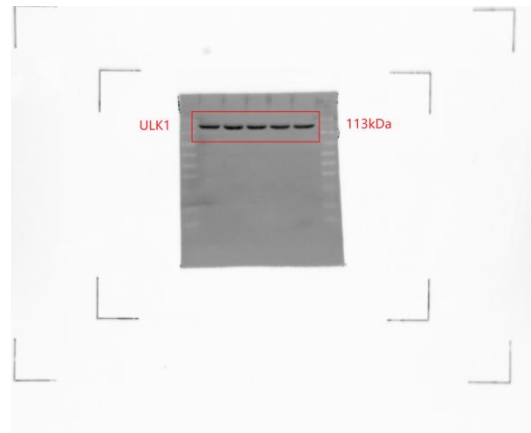
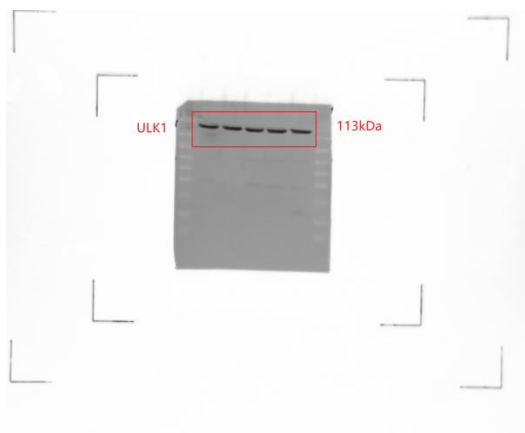
I: p-ULK1(S555) expression in H9c2 cells



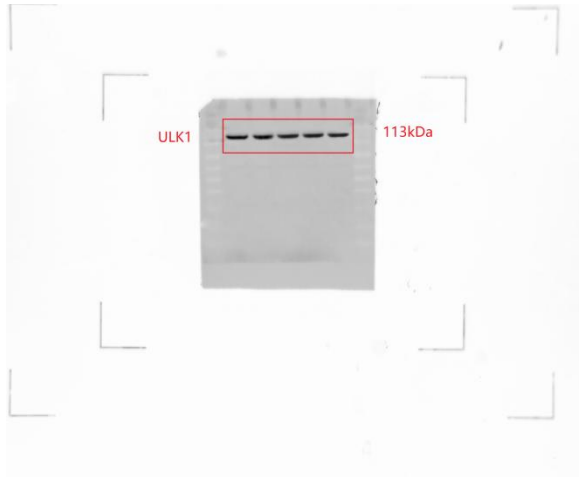
J: p-ULK1(S757) expression in H9c2 cells



**K: ULK1 expression in H9c2 cells**



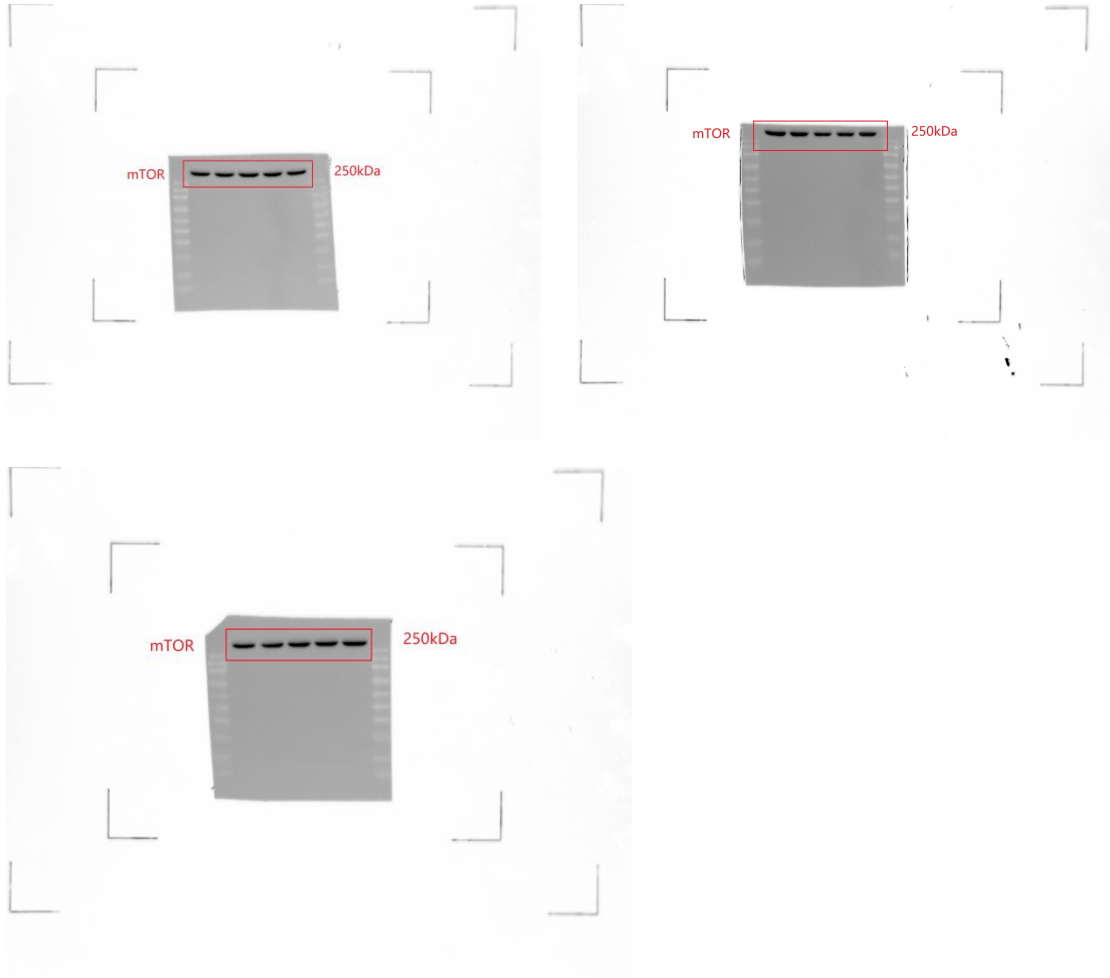




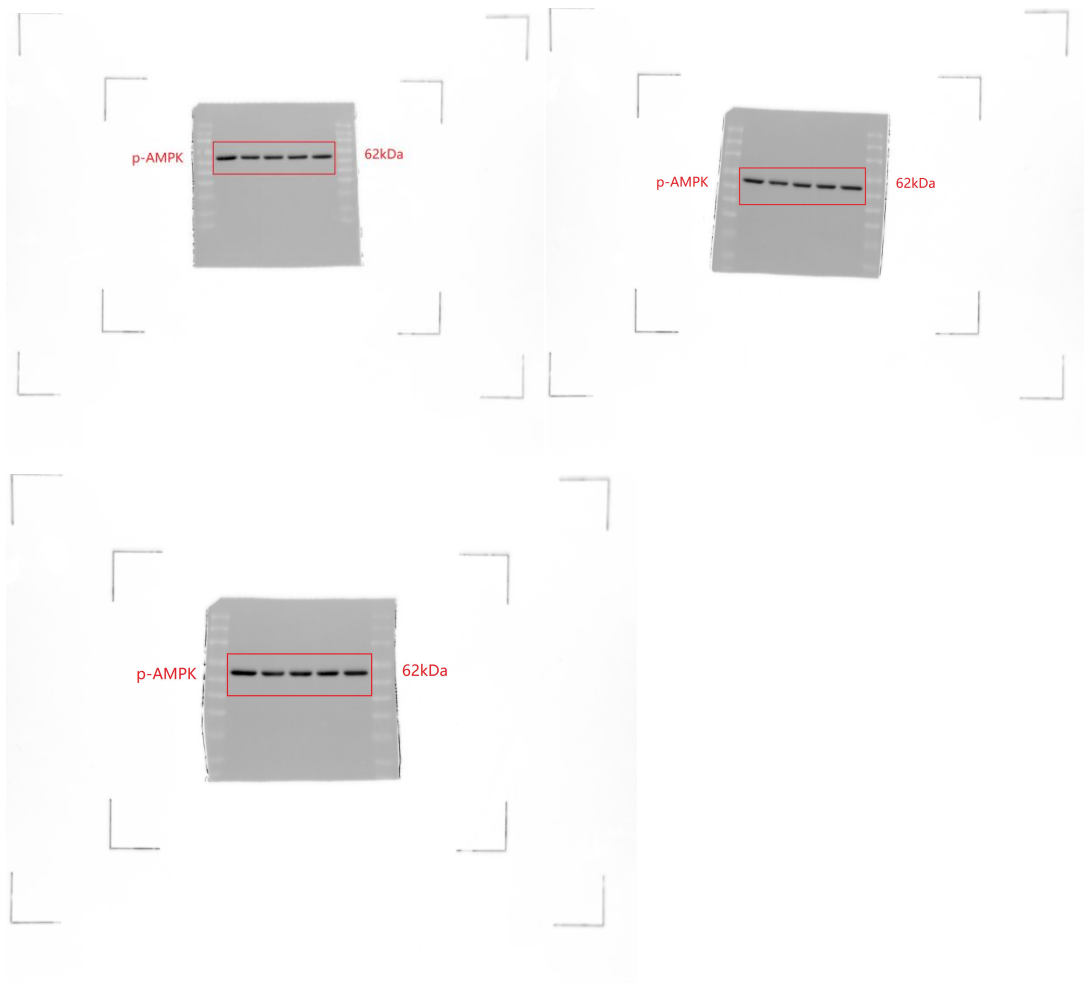
L: p-mTOR expression in H9c2 cells



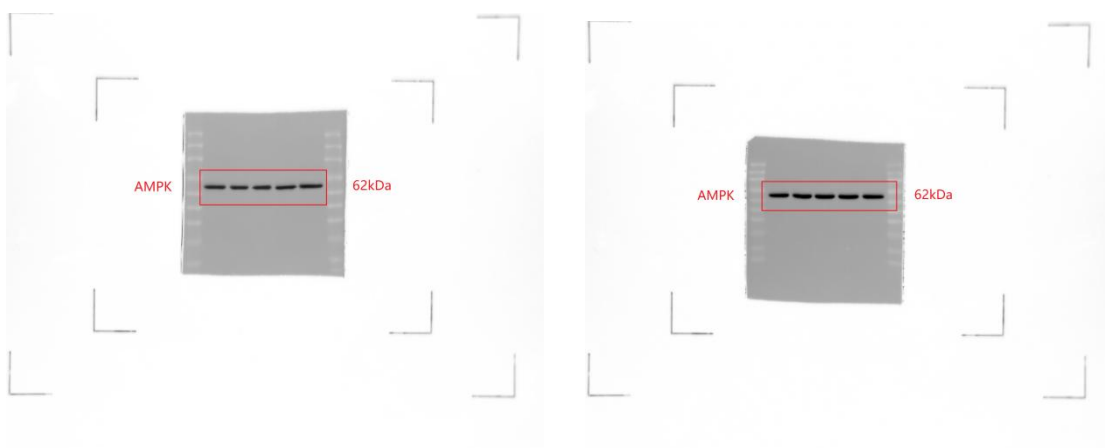
M: mTOR expression in H9c2 cells

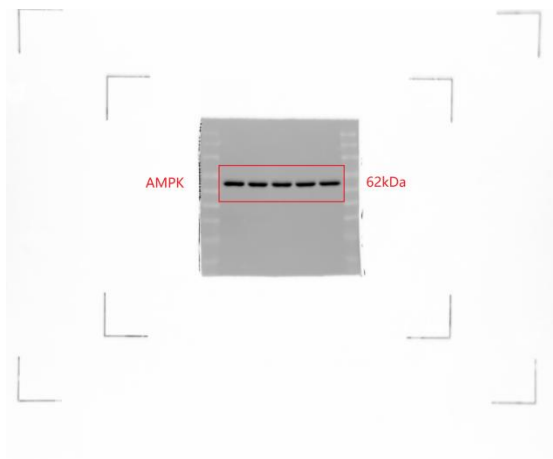


N: p-AMPK expression in H9c2 cells

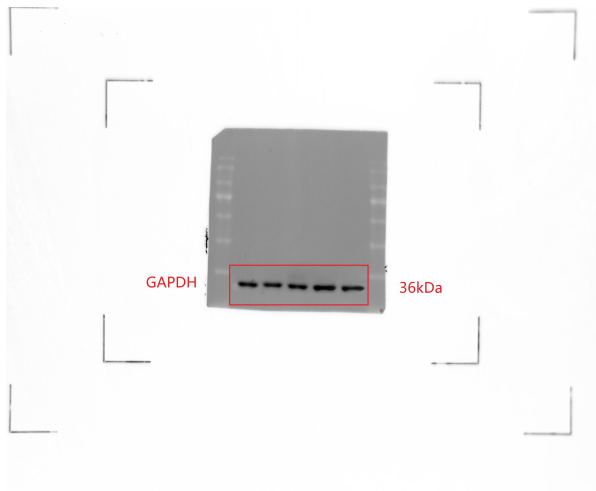
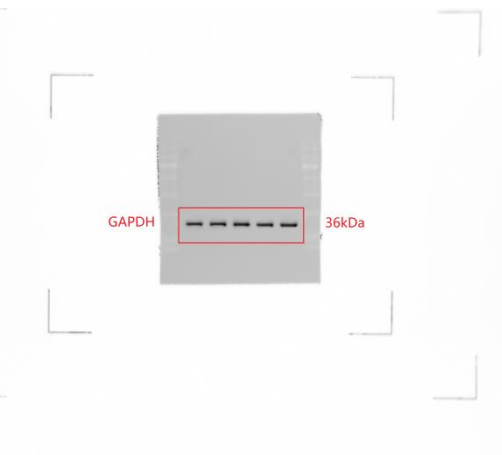
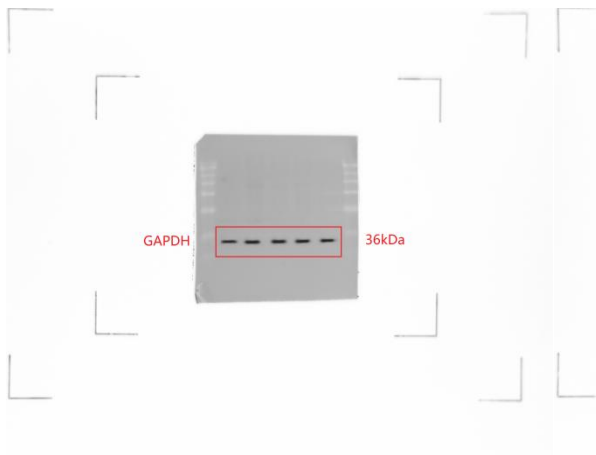


O: AMPK expression in H9c2 cells

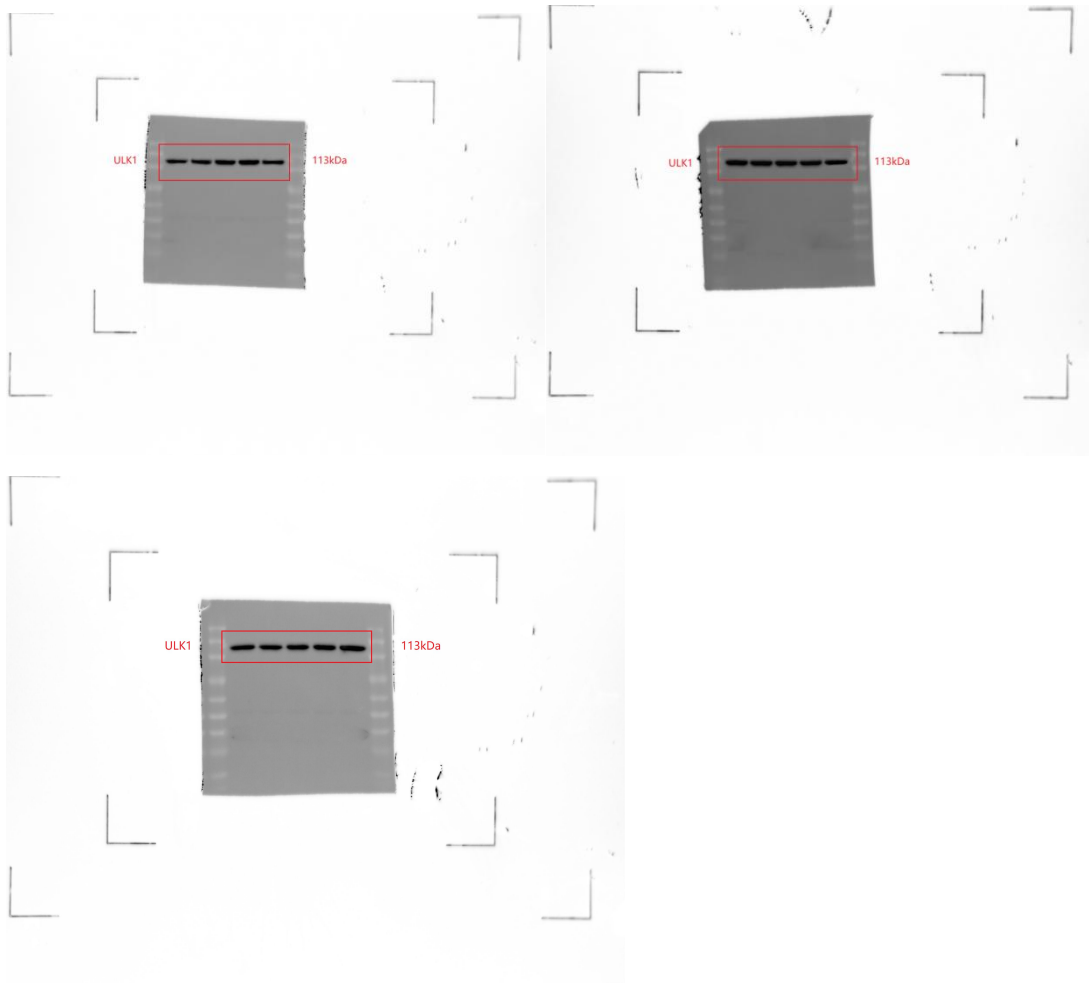




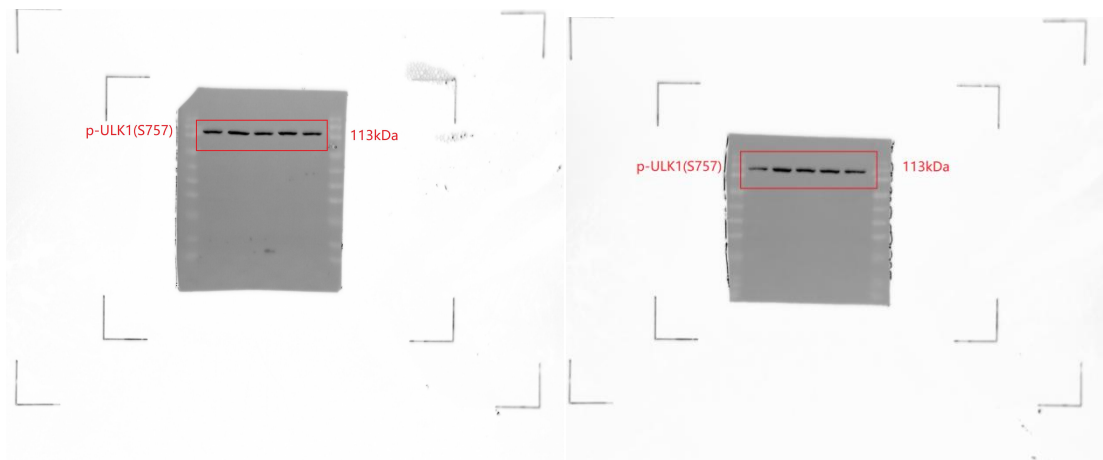
**P: GAPDH expression in H9c2 cells**

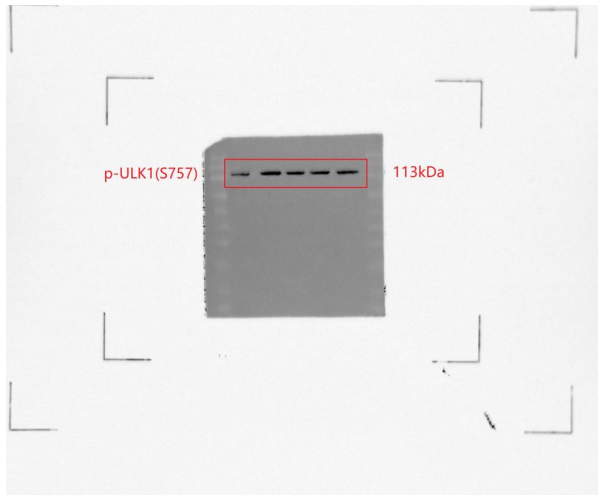


Q: ULK1 expression of non-infarcted areas of rat myocardial tissues

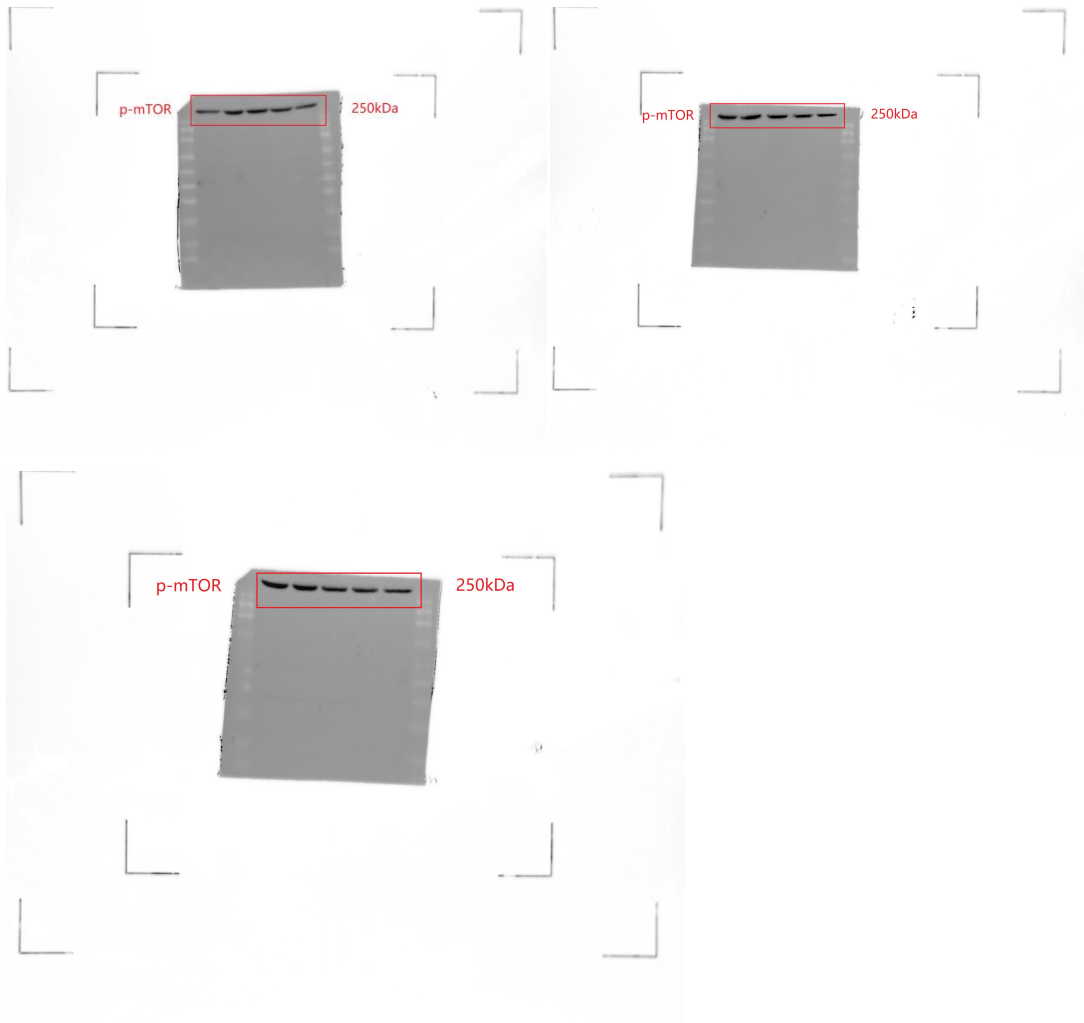


R: p-ULK1(S757) expression of non-infarcted areas of rat myocardial tissues

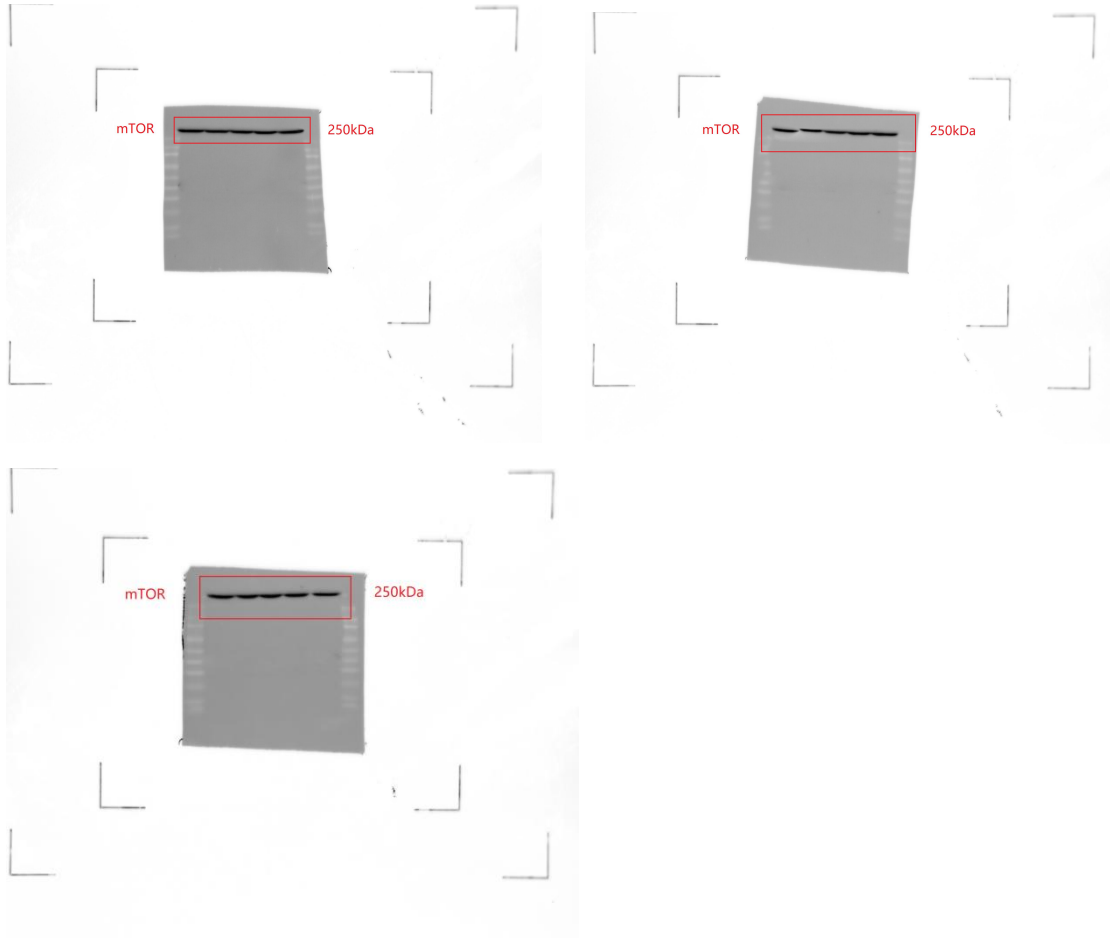




S: p-mTOR expression of non-infarcted areas of rat myocardial tissues

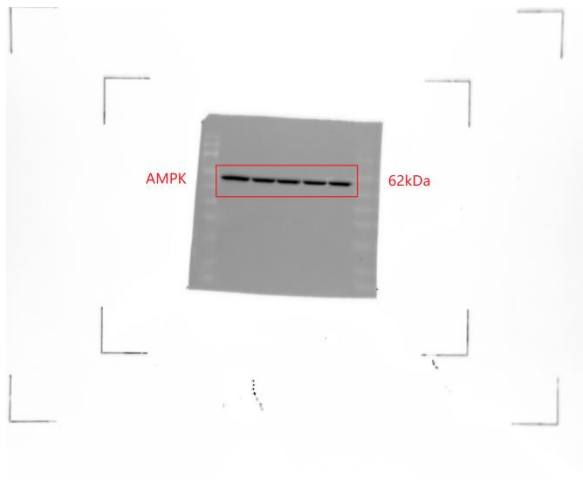


T: mTOR expression of non-infarcted areas of rat myocardial tissues

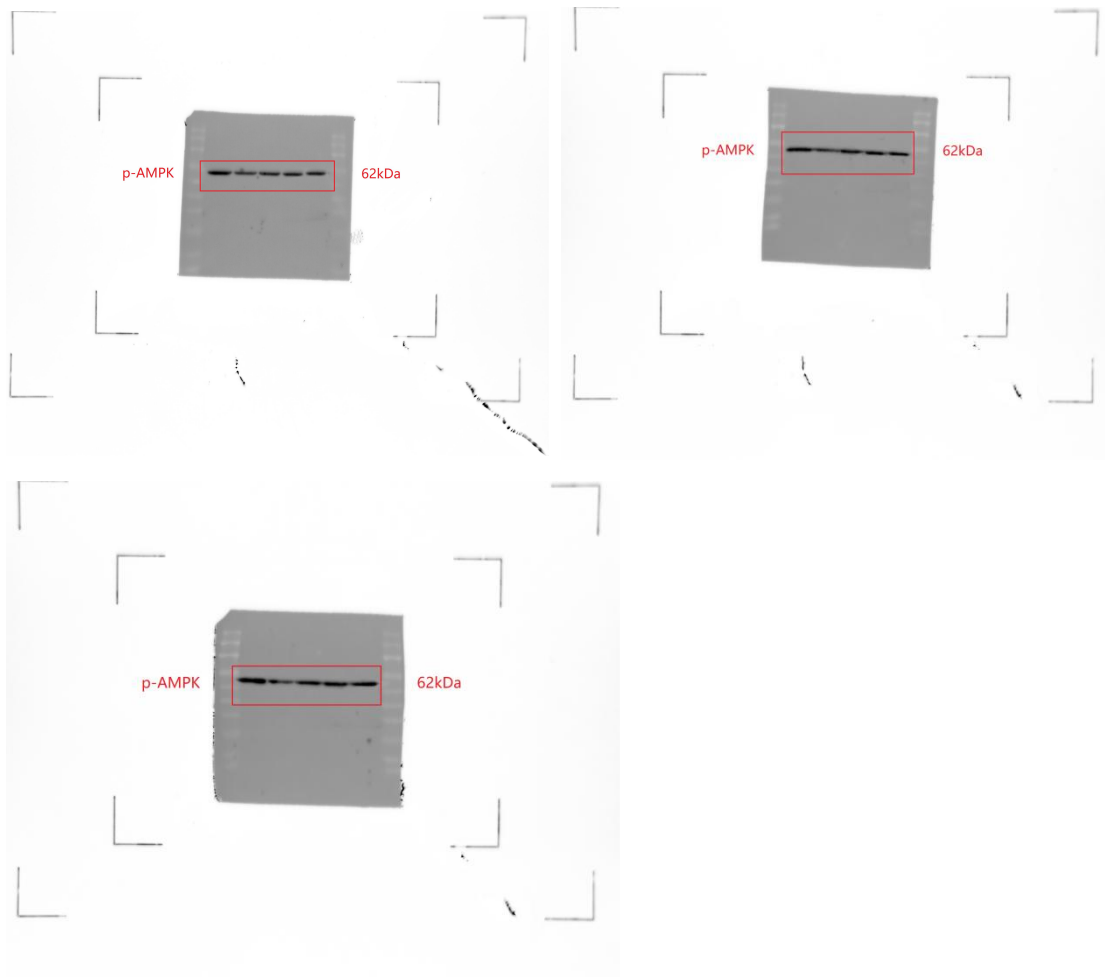


U: AMPK expression of non-infarcted areas of rat myocardial tissues





V: p-AMPK expression of non-infarcted areas of rat myocardial tissues





W: GAPDH expression of non-infarcted areas of rat myocardial tissues

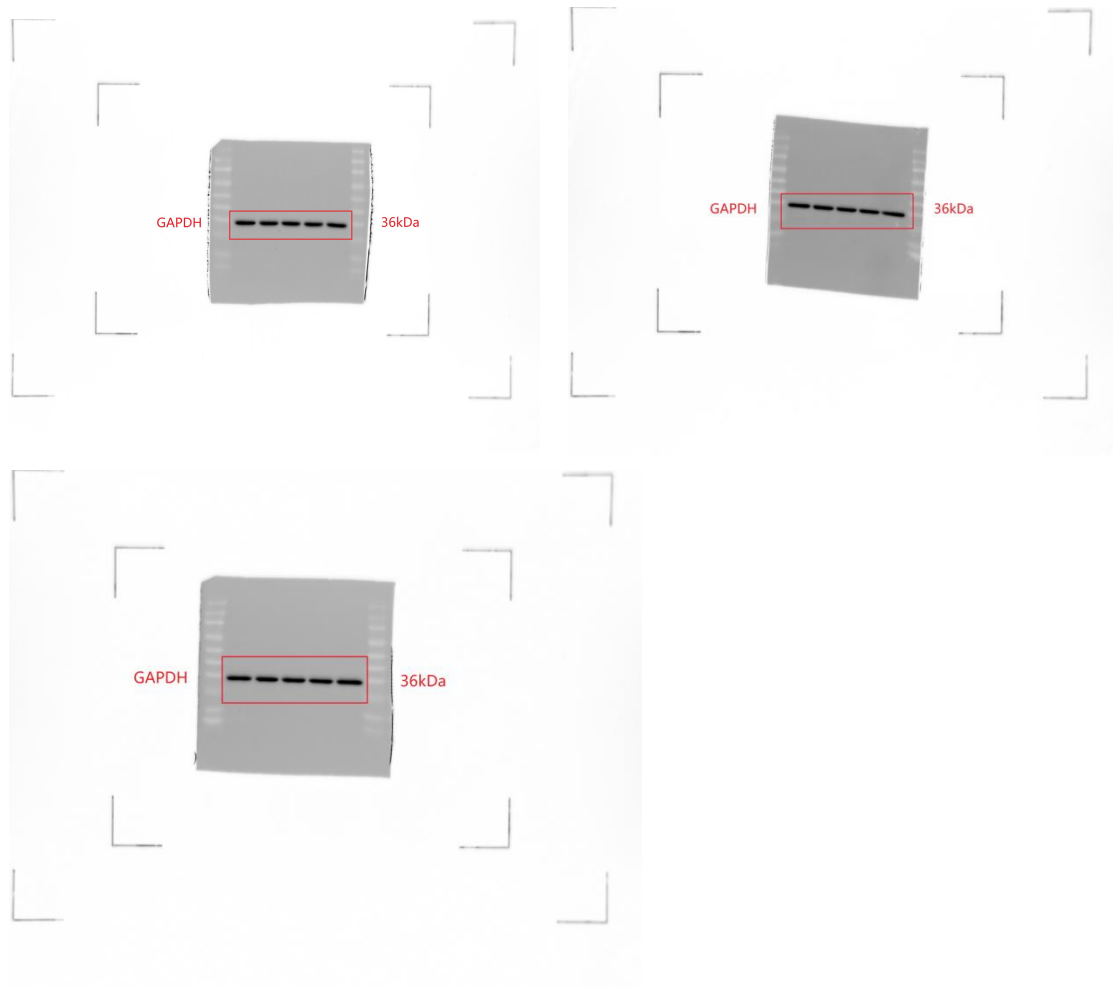
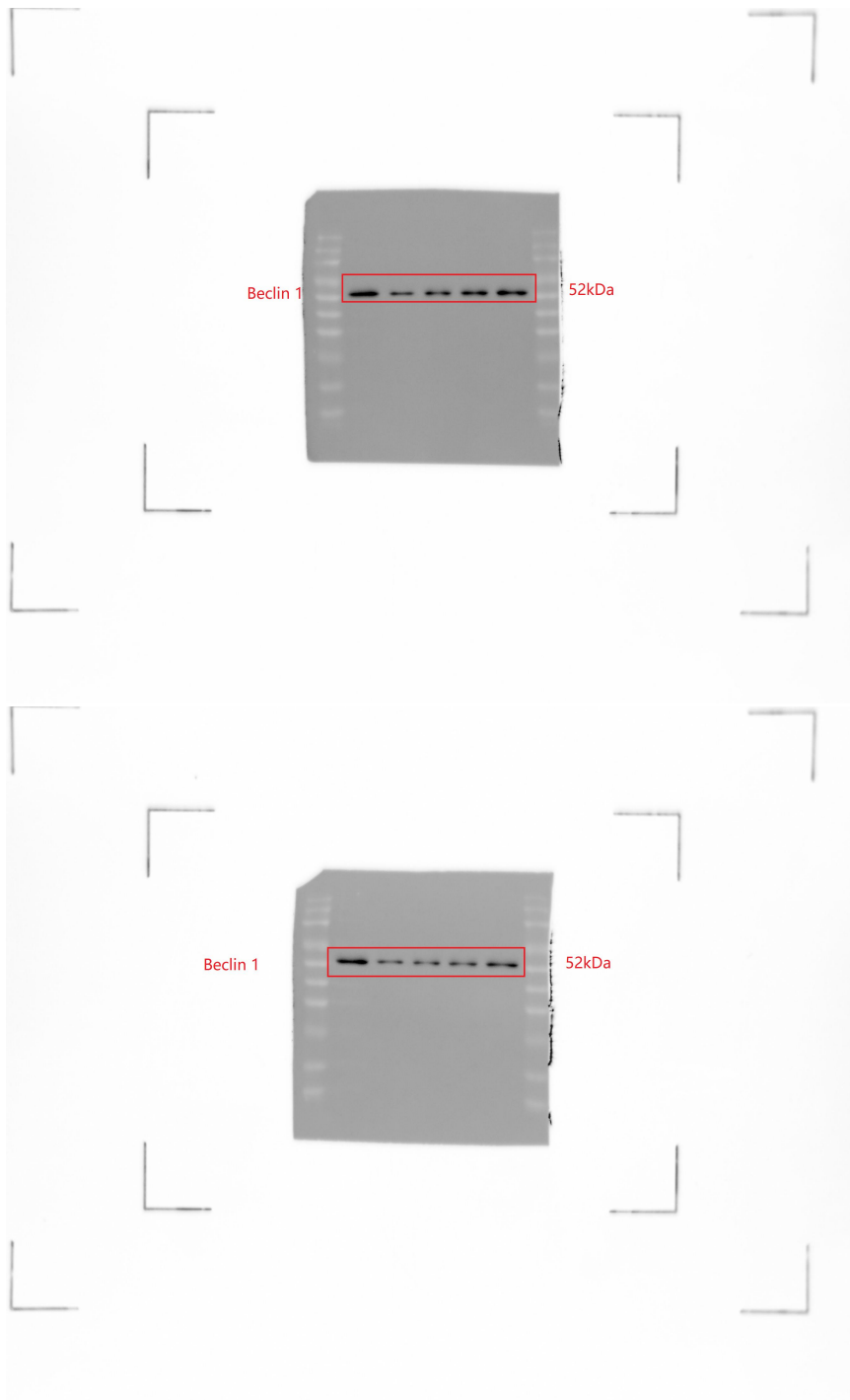


Figure 2A-D: Beclin1, P62, and LC3 expression of infarcted areas of rat myocardial tissues

Figure 2A: Beclin1 expression of infarcted areas of rat myocardial tissues



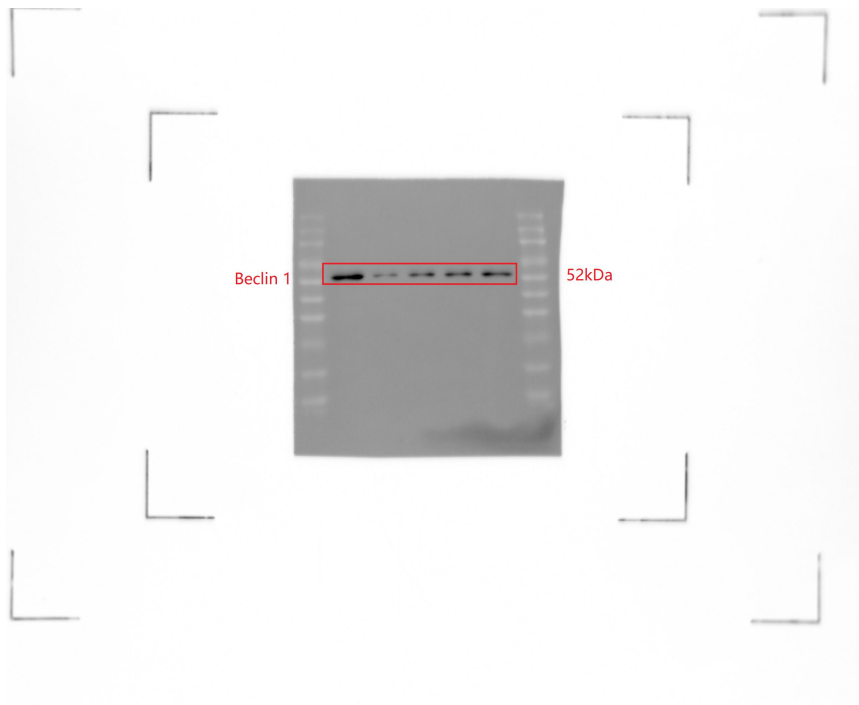
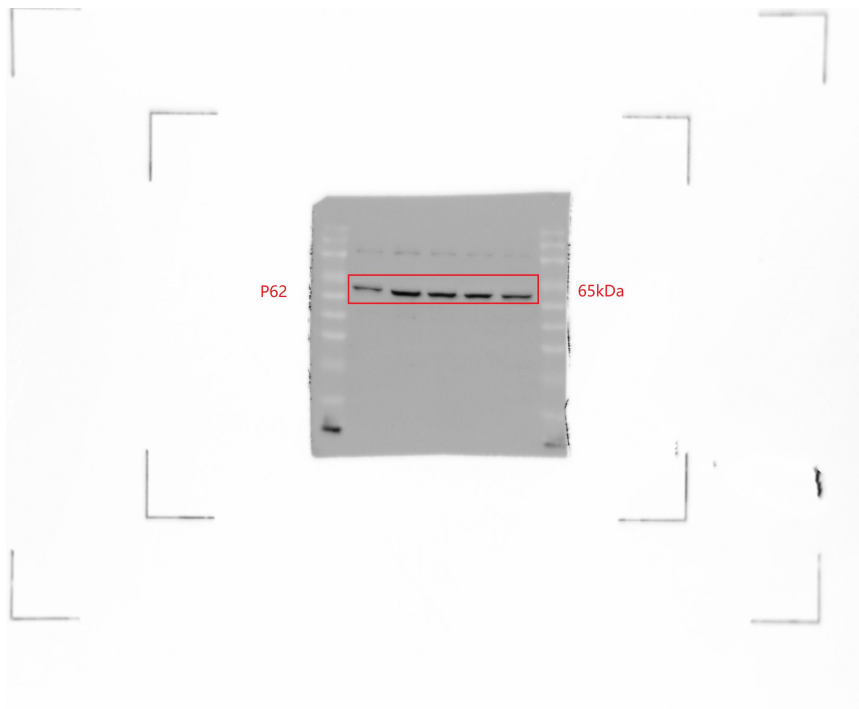


Figure 2B: P62 expression of infarcted areas of rat myocardial tissues



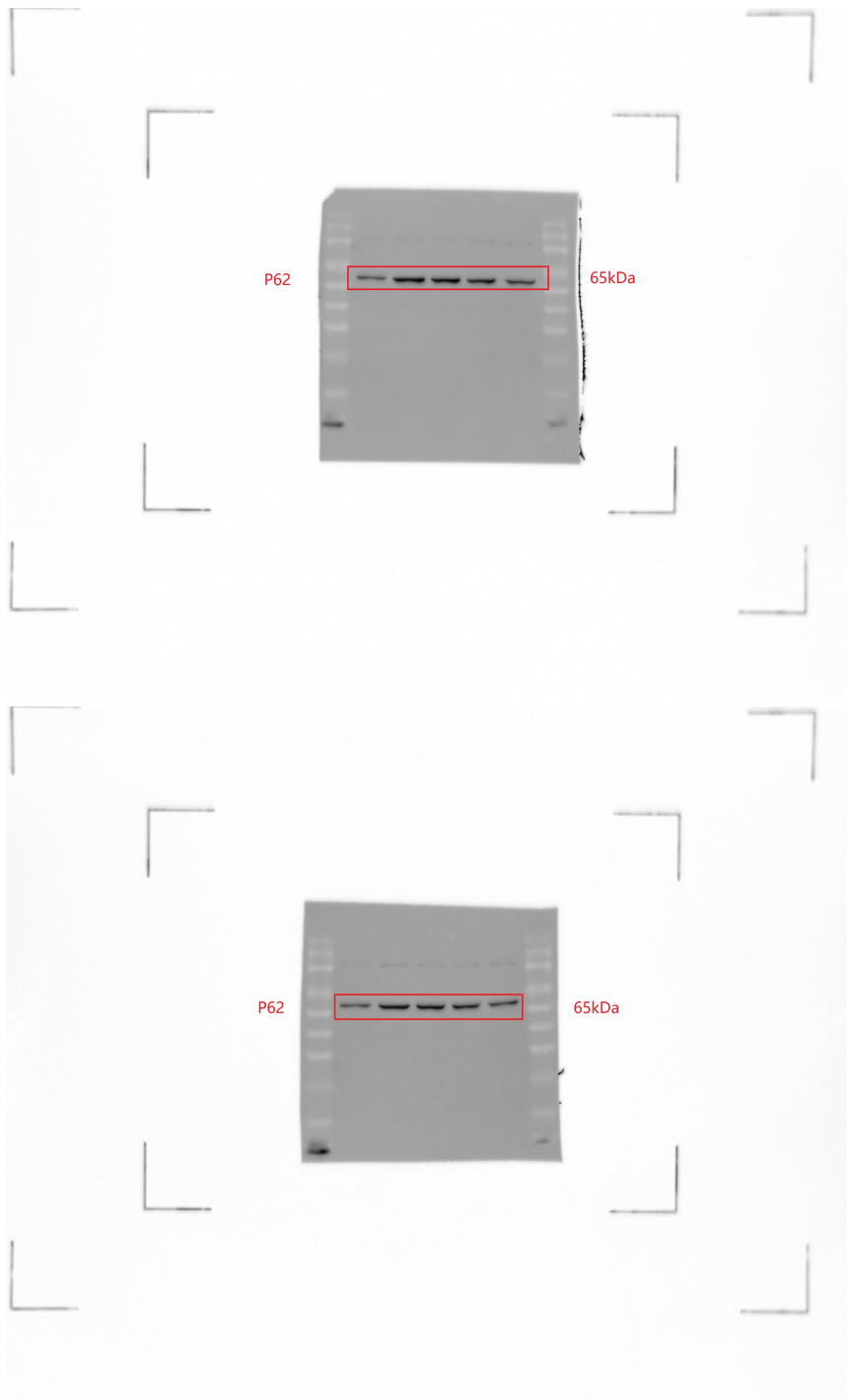
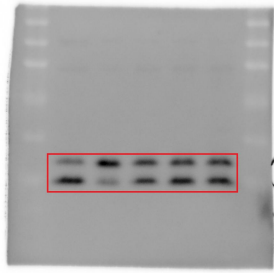


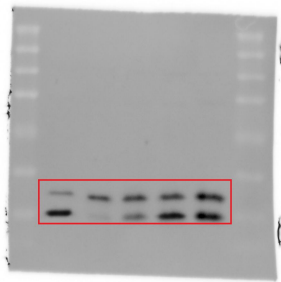
Figure 2C: LC3 expression of infarcted areas of rat myocardial tissues

LC3



14,16kDa

LC3



14,16kDa

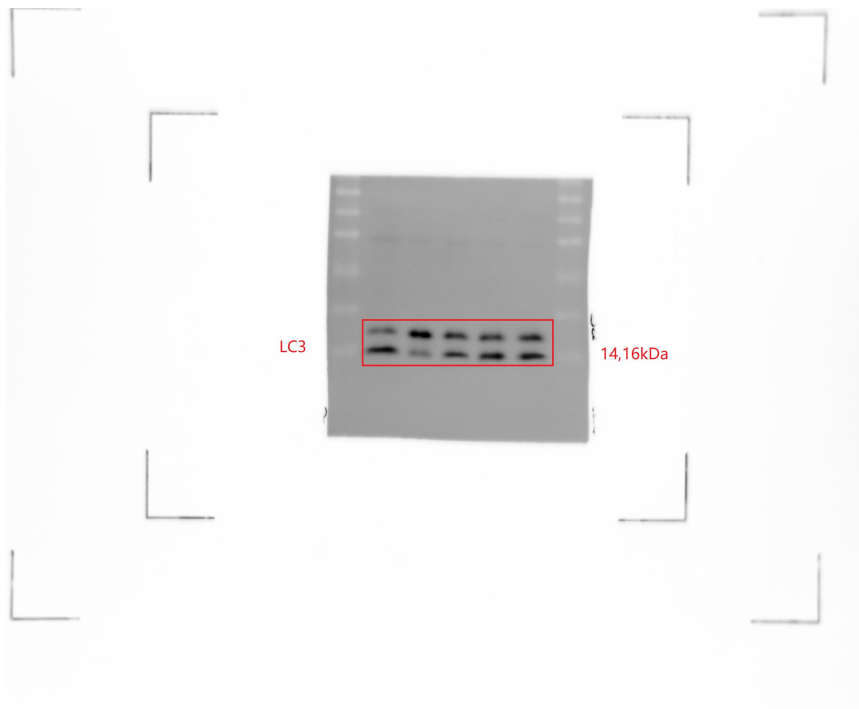
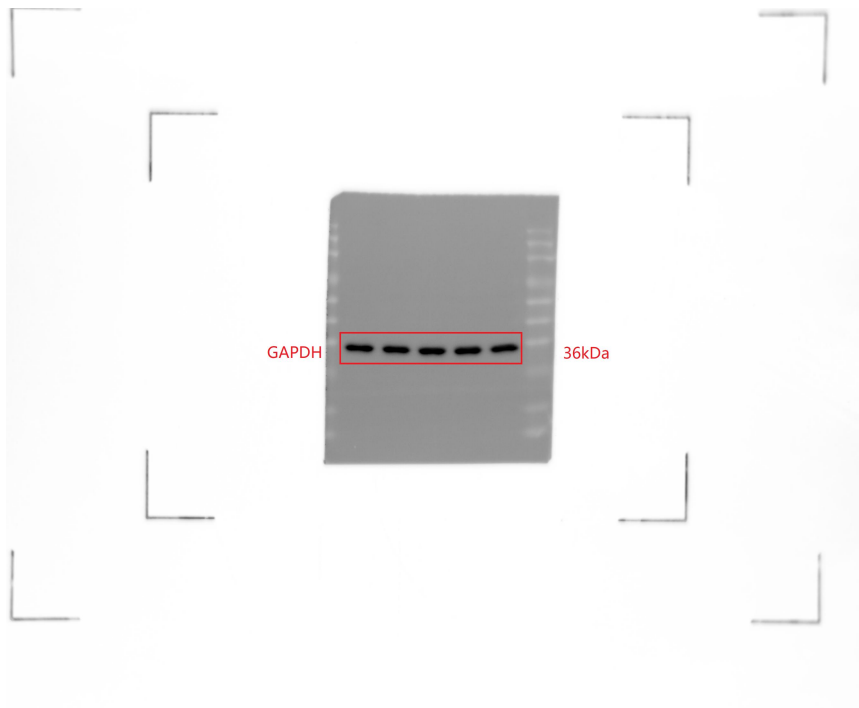


Figure 2D: GAPDH expression of infarcted areas of rat myocardial tissues



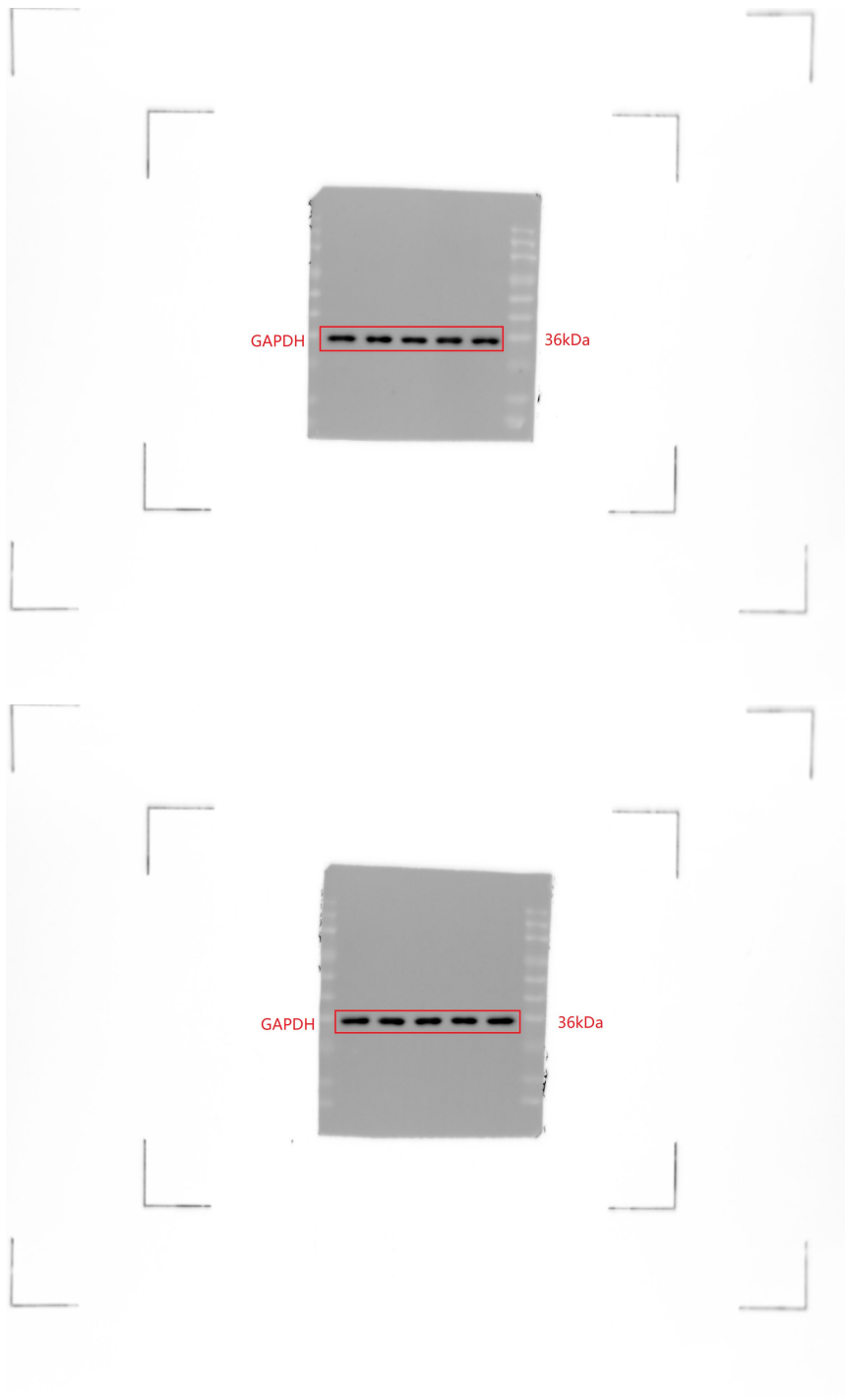
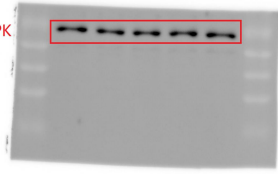


Figure 2E: AMPK expression of infarcted areas of rat myocardial tissues

AMPK 62kDa



AMPK 62kDa





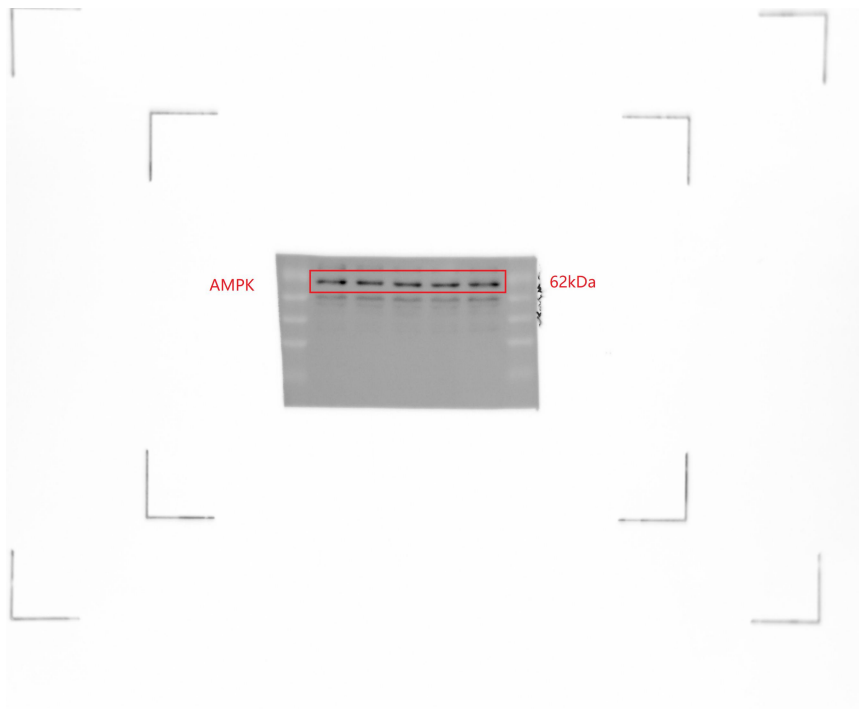
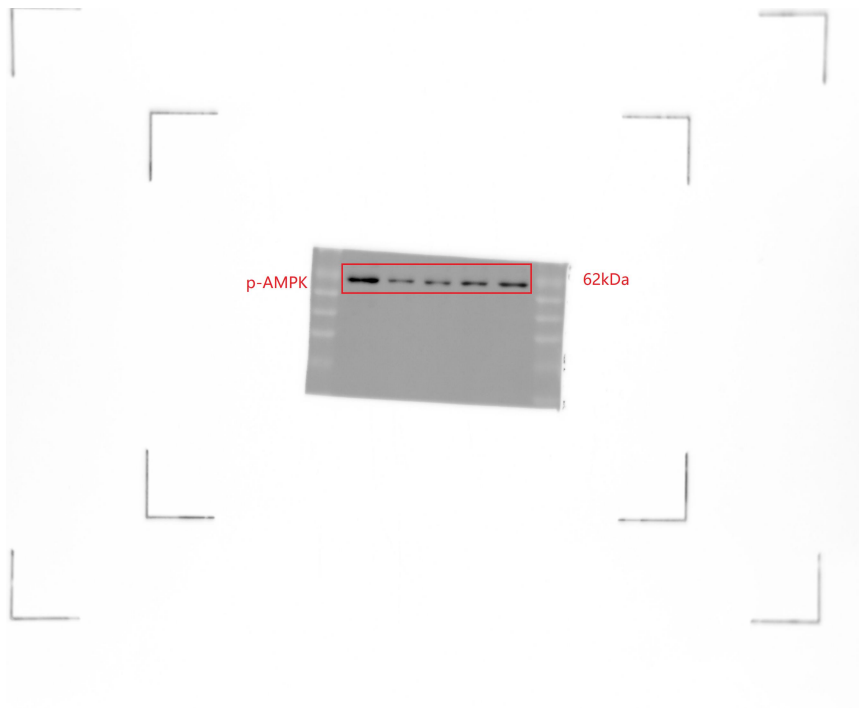


Figure 2F: p-AMPK expression of infarcted areas of rat myocardial tissues



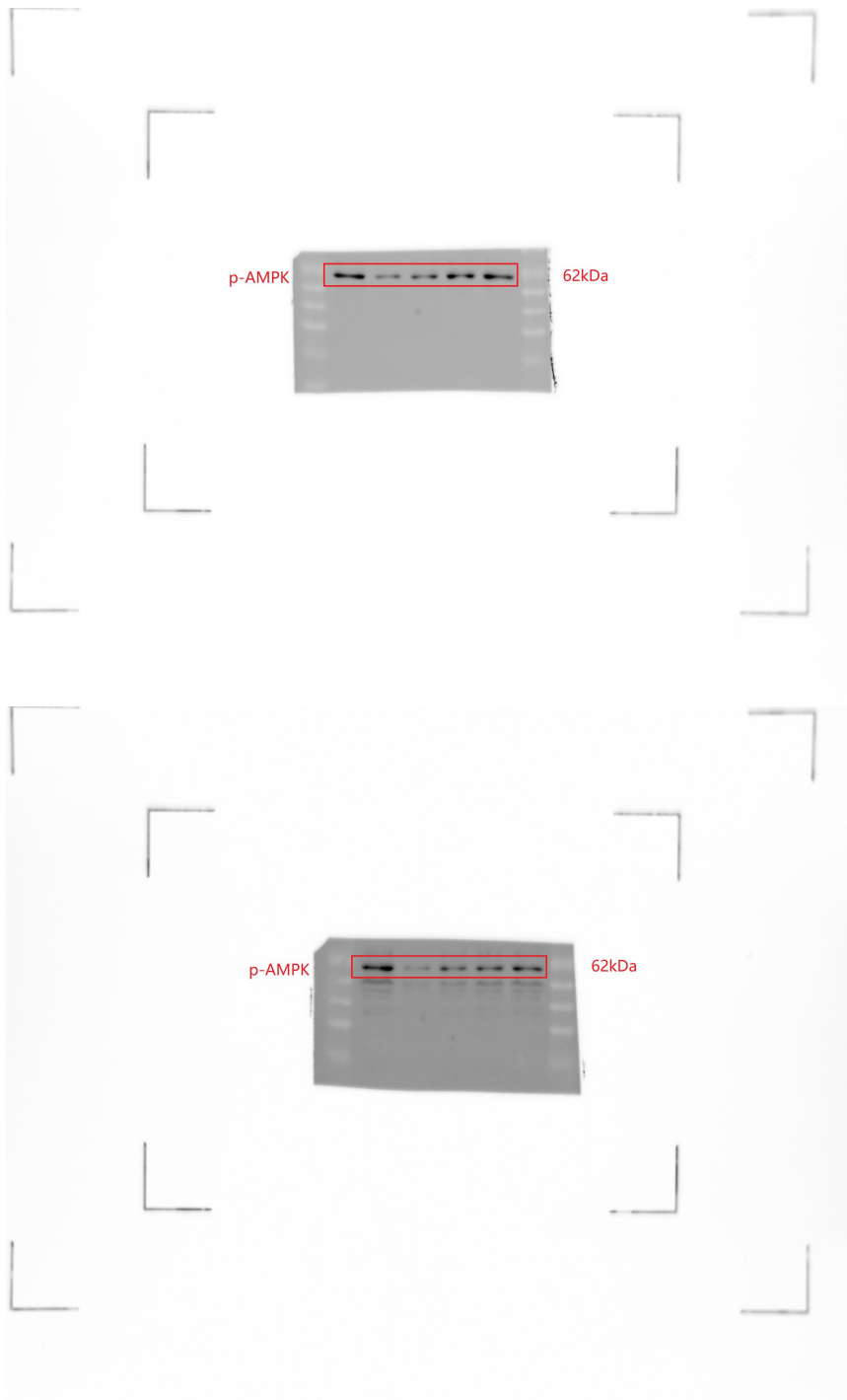
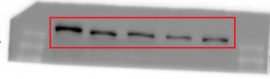


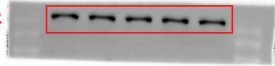
Figure 2G: mTOR expression of infarcted areas of rat myocardial tissues

p-mTOR



289kDa

mTOR



289kDa

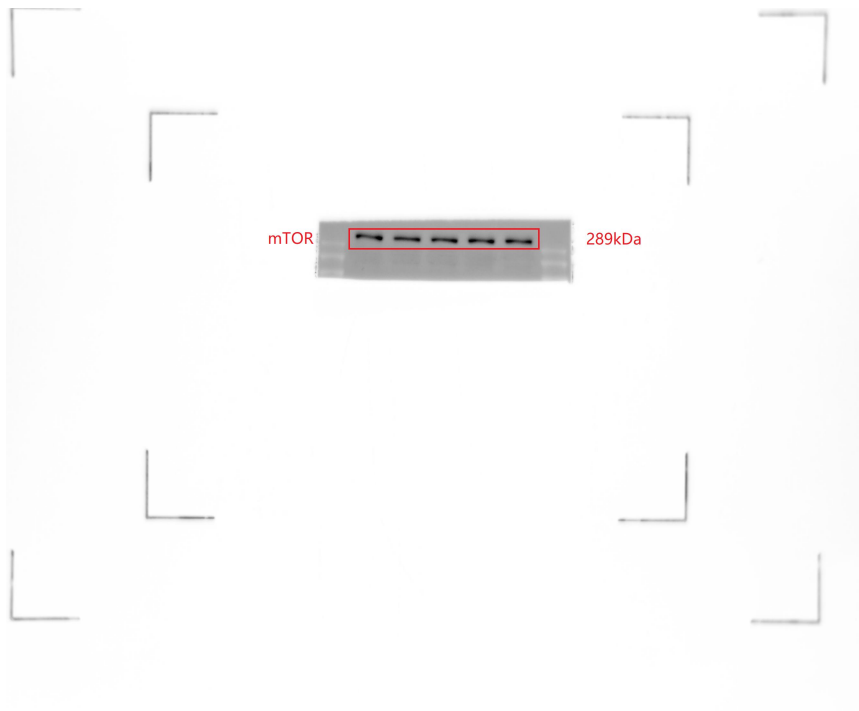
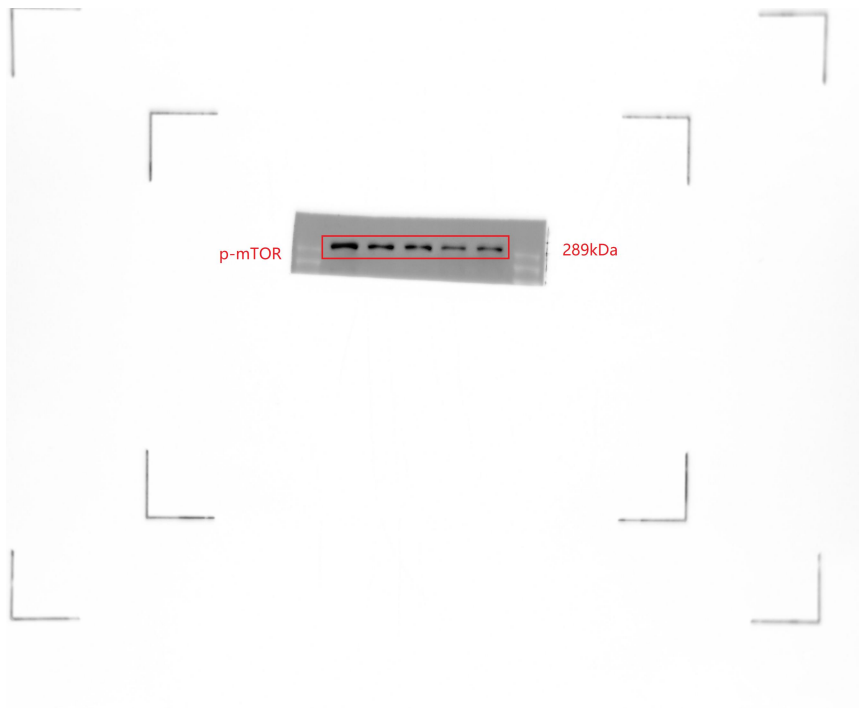


Figure 2H: p-mTOR expression of infarcted areas of rat myocardial tissues



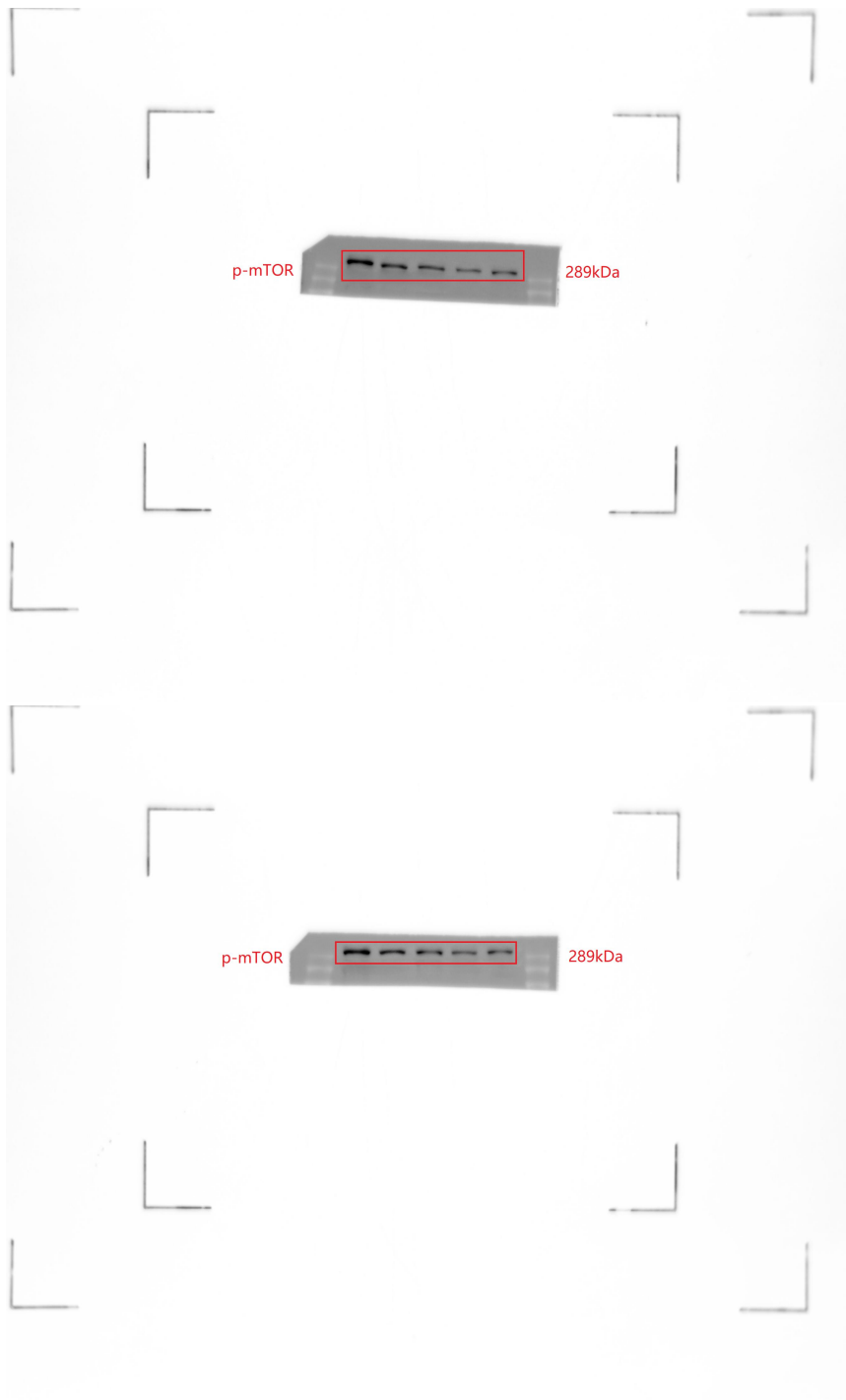
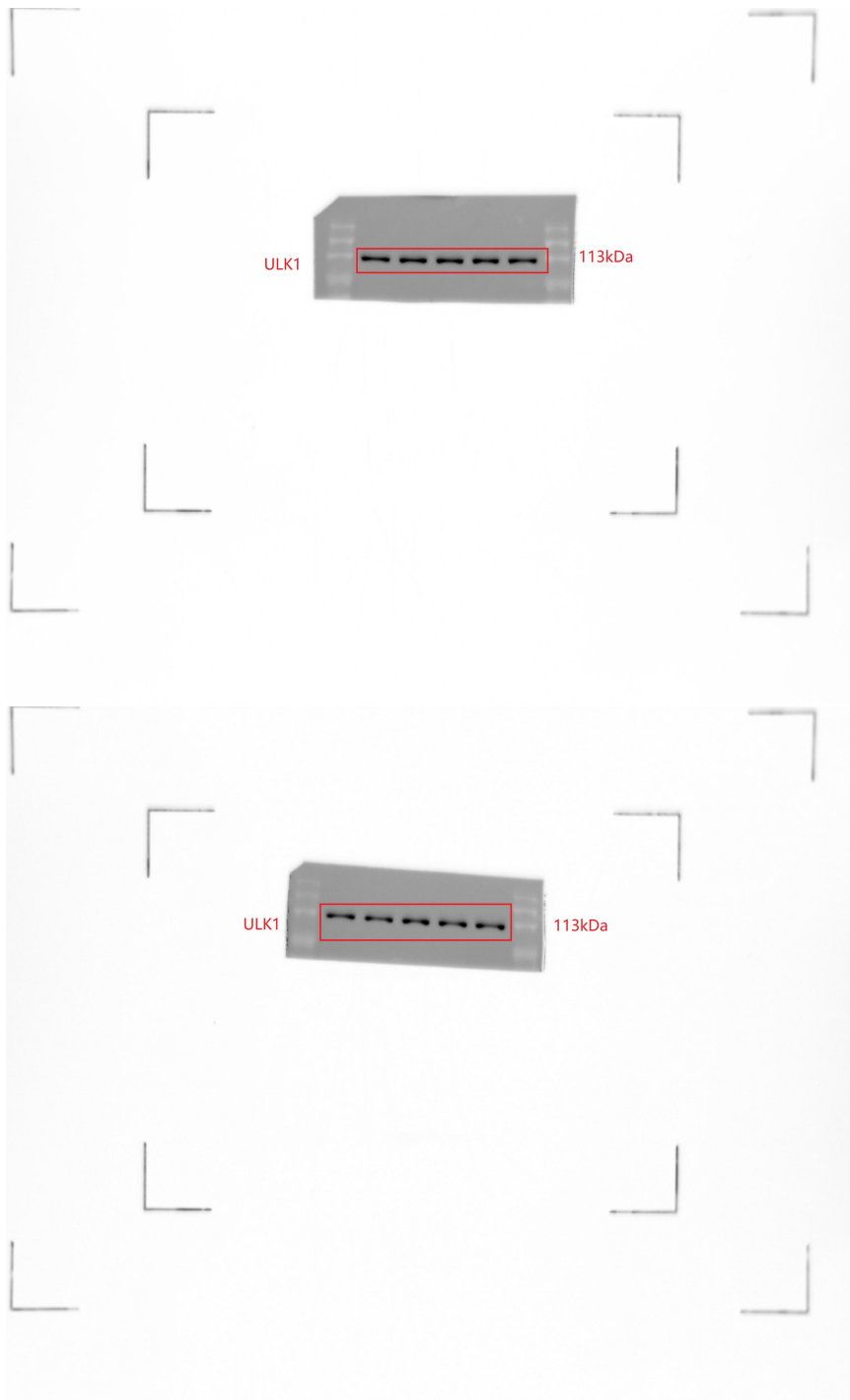


Figure 2I: ULK1 expression of infarcted areas of rat myocardial tissues



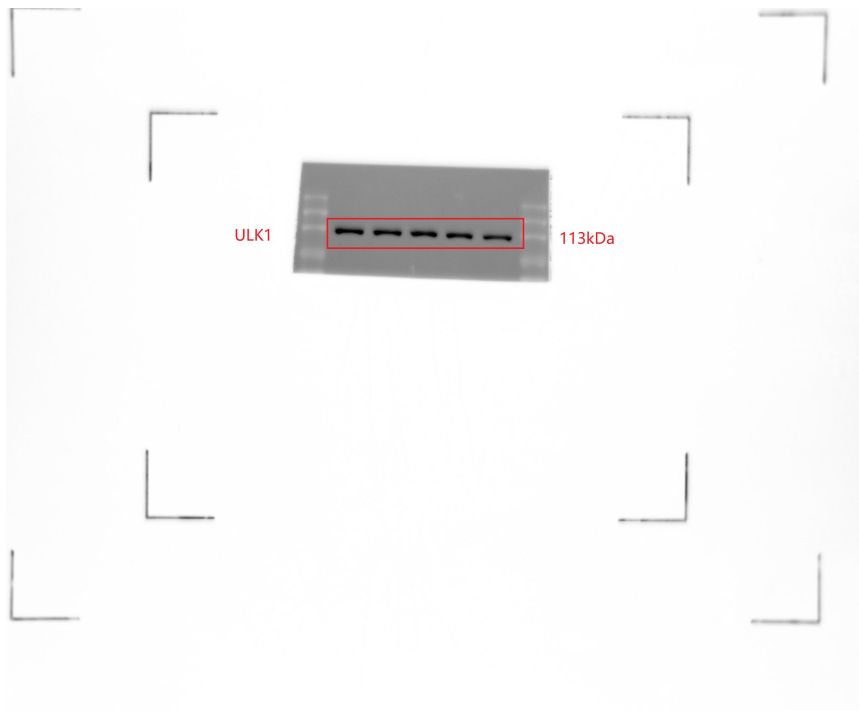
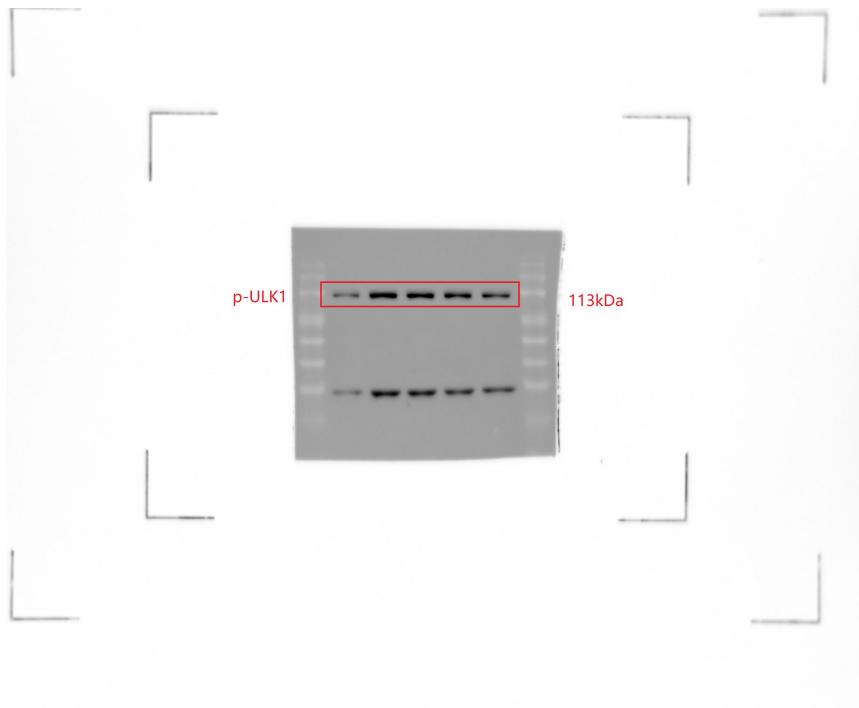


Figure 2J: p-ULK1(S757) expression of infarcted areas of rat myocardial tissues



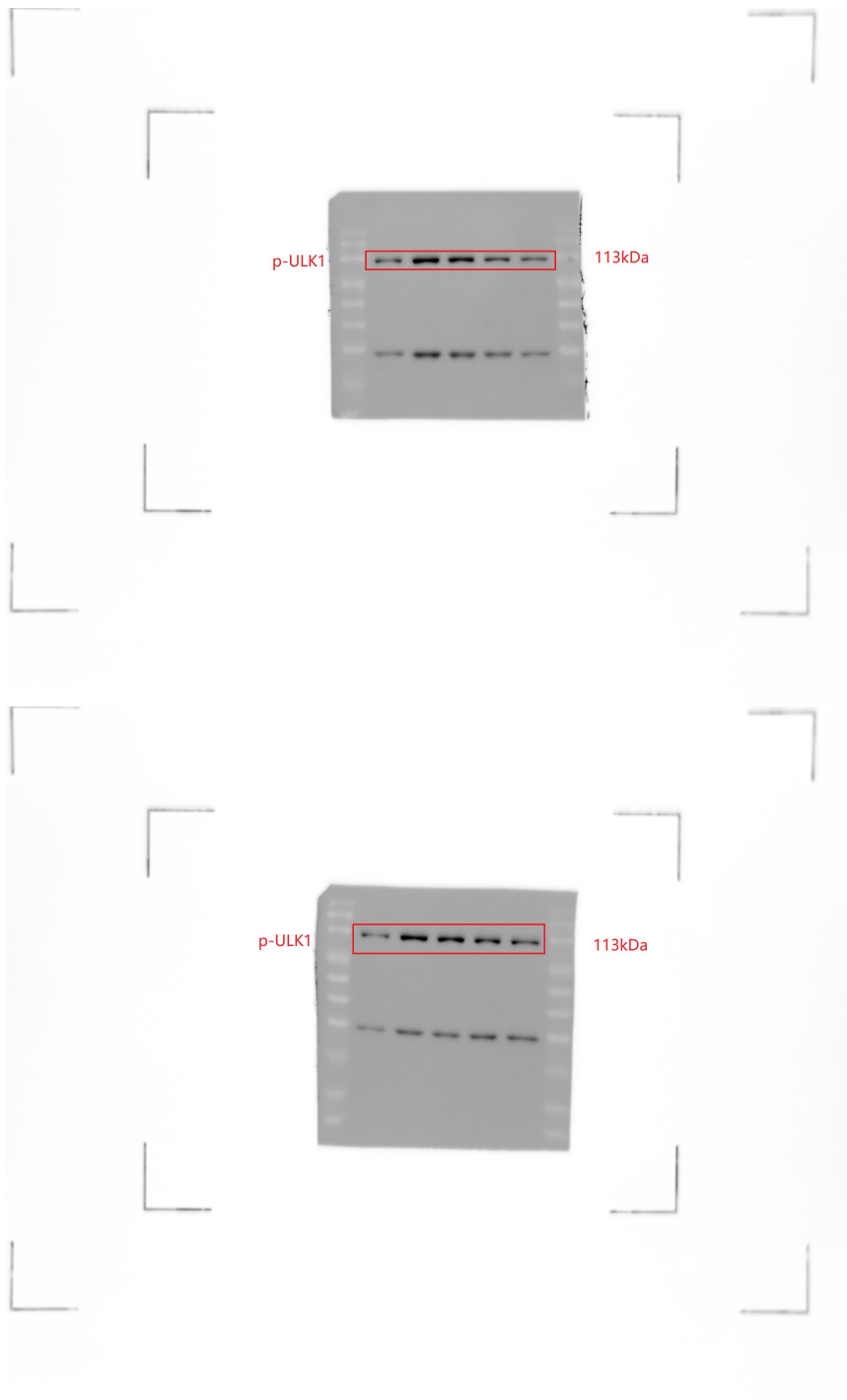


Figure 2K: GAPDH expression of infarcted areas of rat myocardial tissues



