

Croppedblots in main paper

Figure 3C



Croppedblots in supplementary information

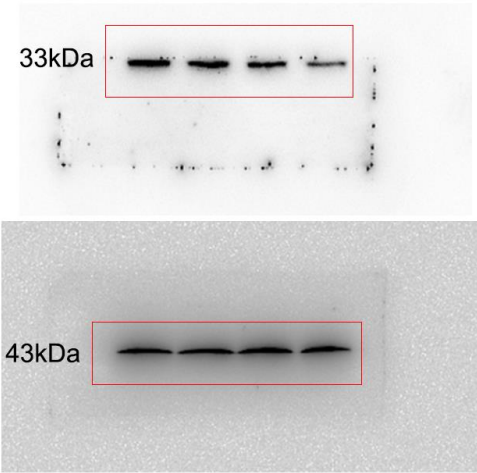
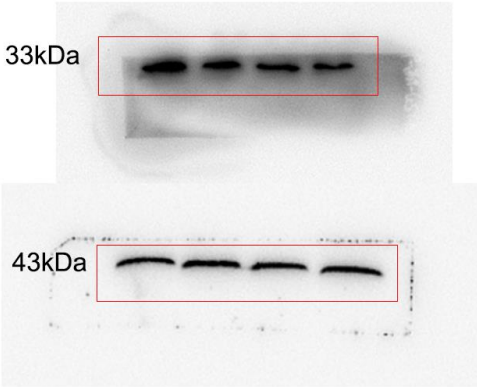
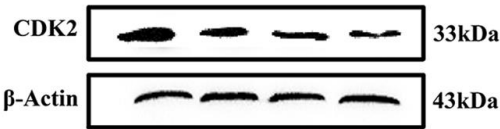
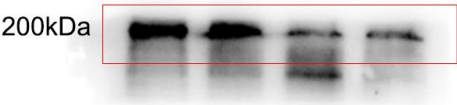


Figure 3E



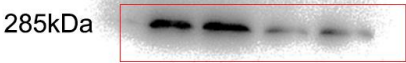
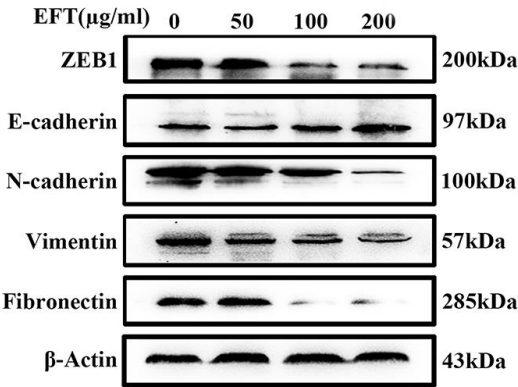
Croppedblots in supplementary information



Croppedblots in main paper

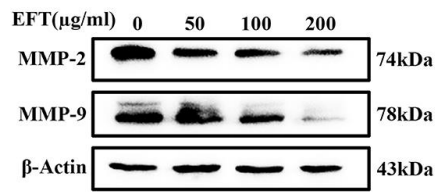


Figure5A



Croppedblots in main paper

Figure5C



Croppedblots in supplementary information

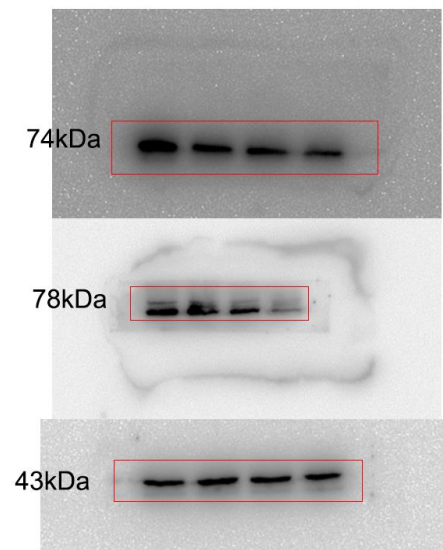


Figure 3C
CDK2

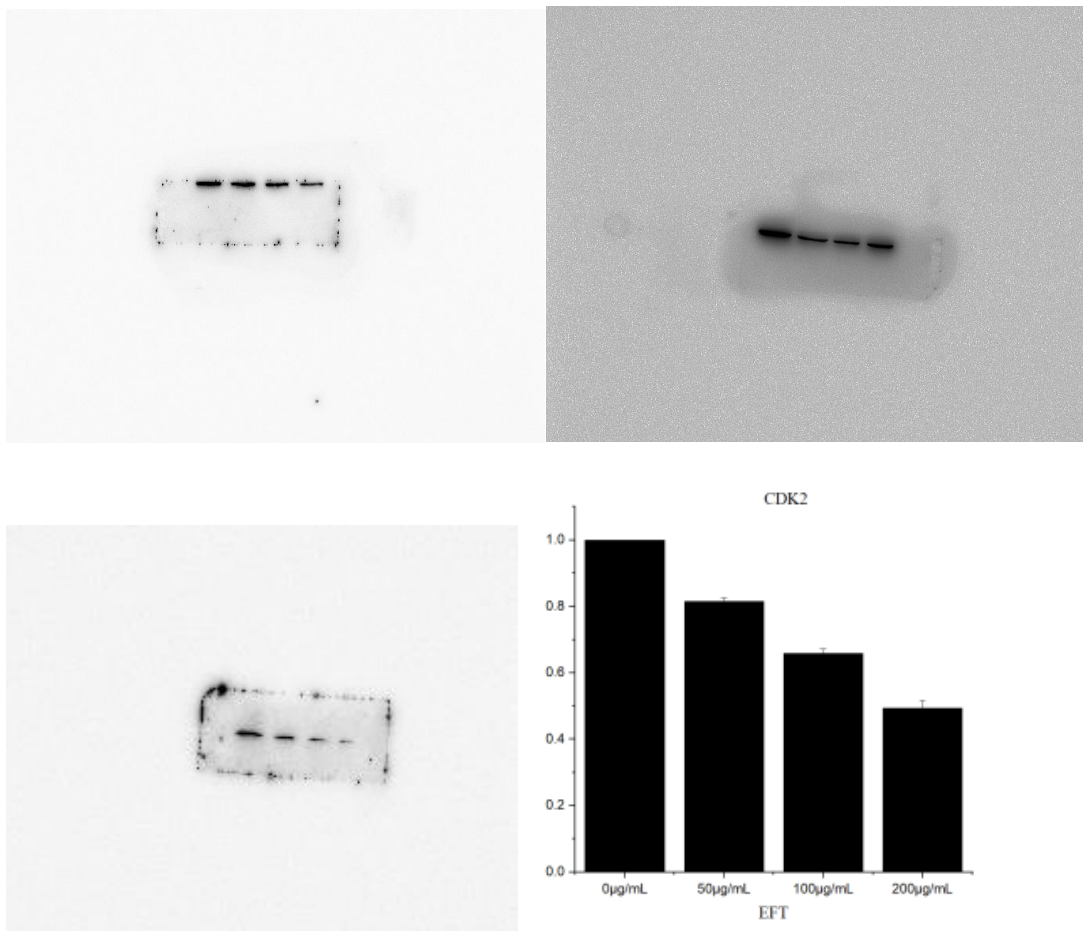


Figure 3C

β -actin

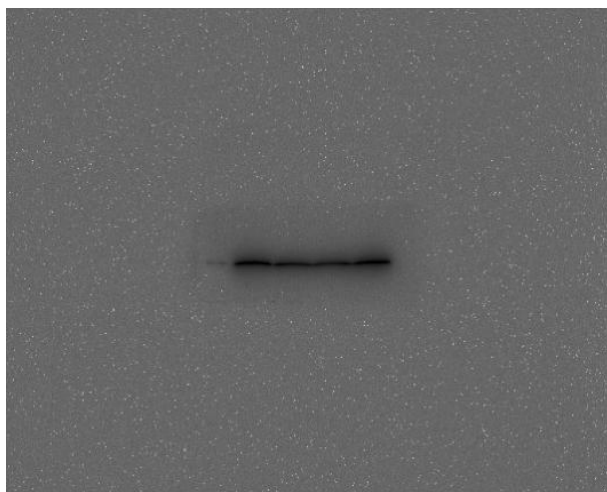
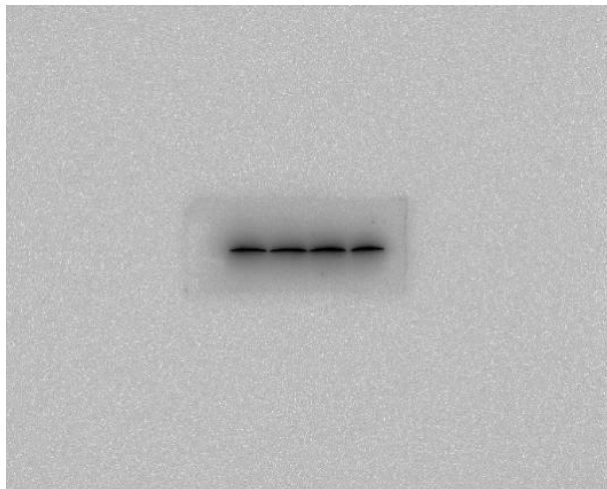


Figure 3E
CDK2

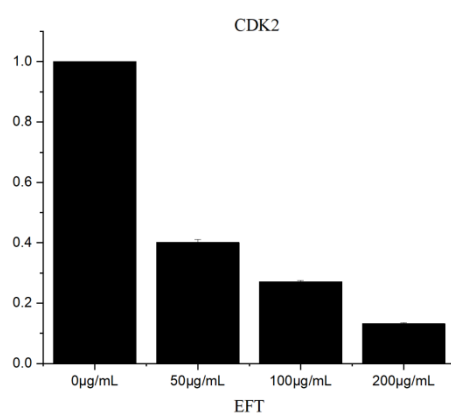
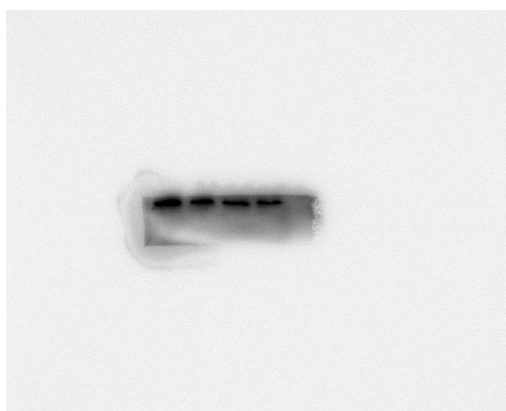
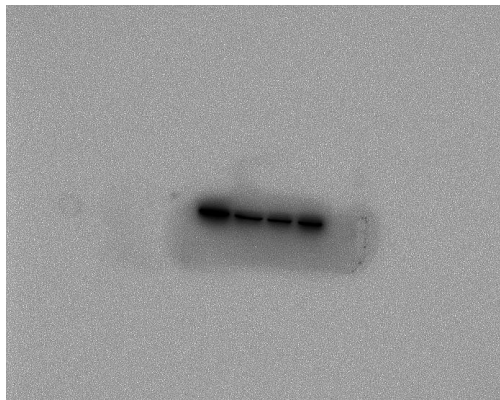


Figure 3E

β -actin

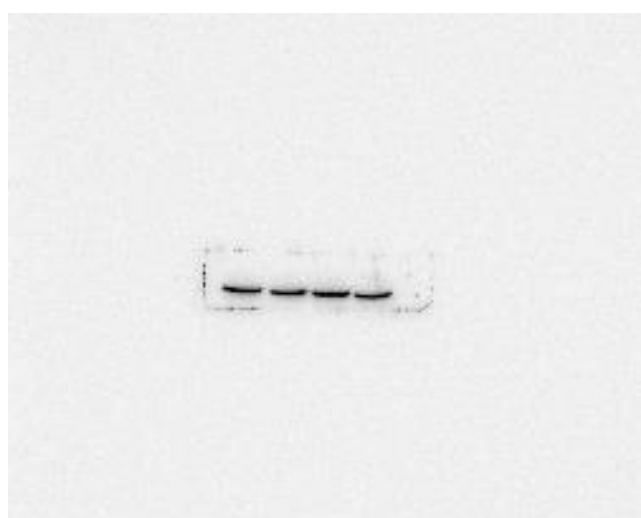
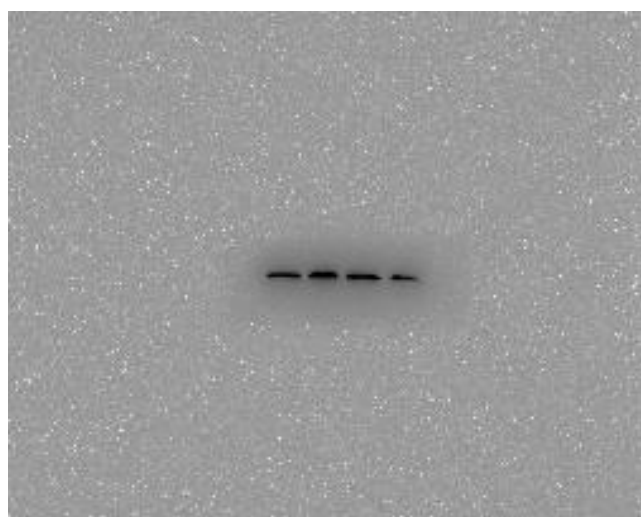
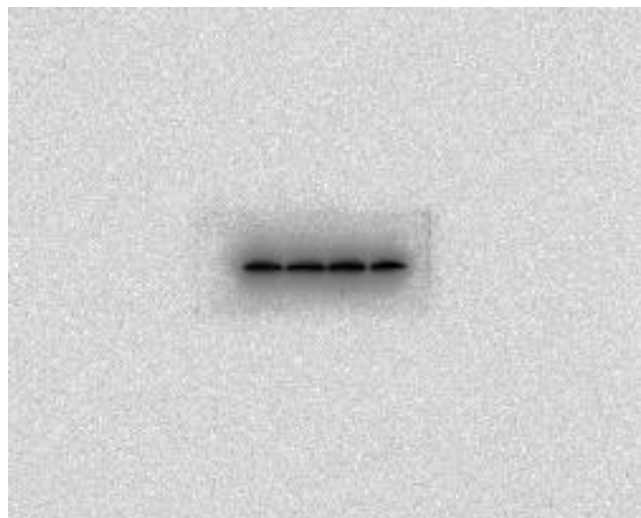


Figure 5A
E-cadherin

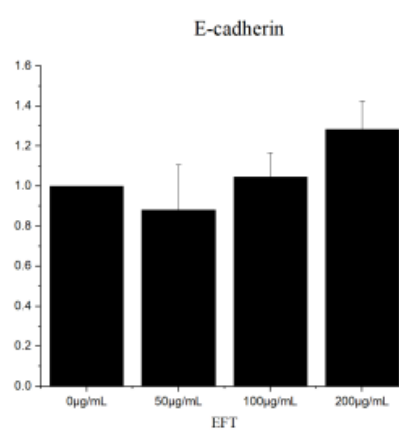
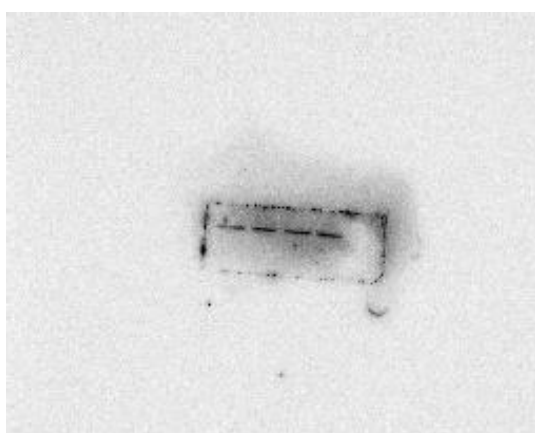
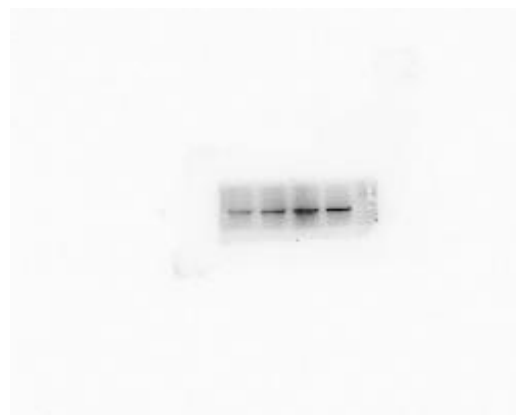
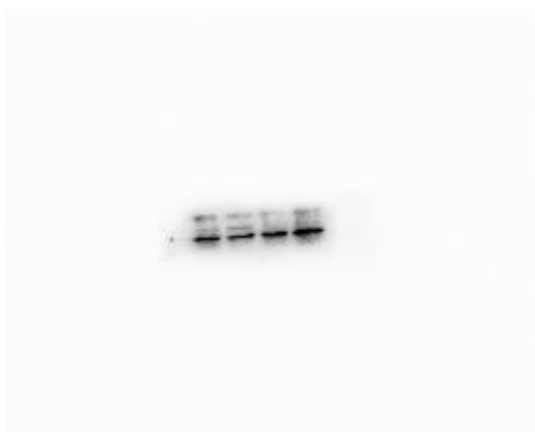


Figure 5A
Fibronectin

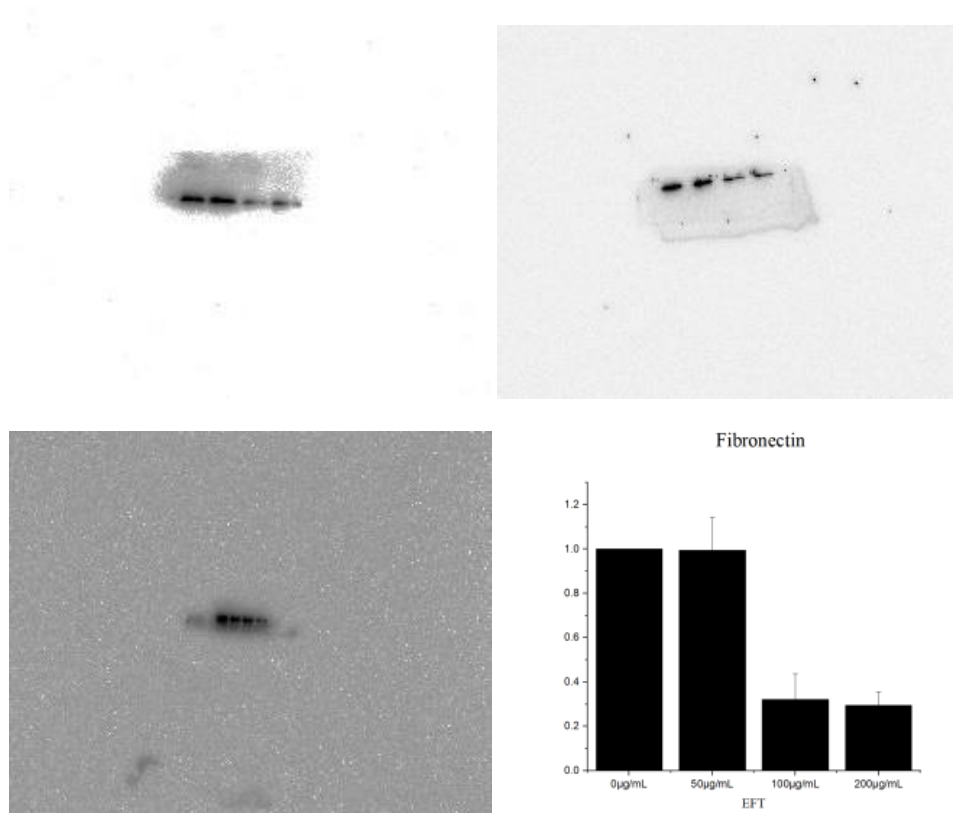


Figure 5A
N-cadherin

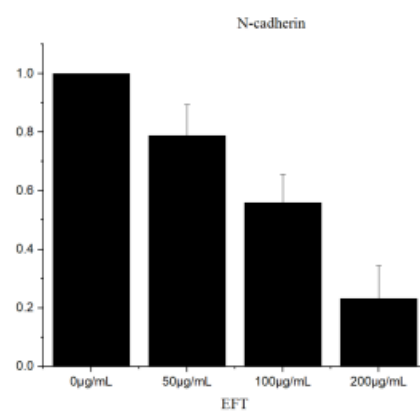
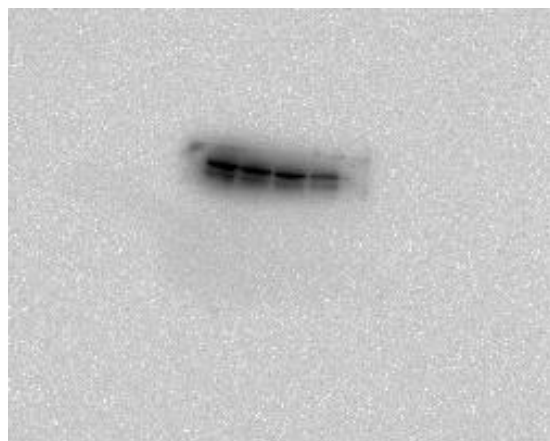


Figure 5A
Vimentin

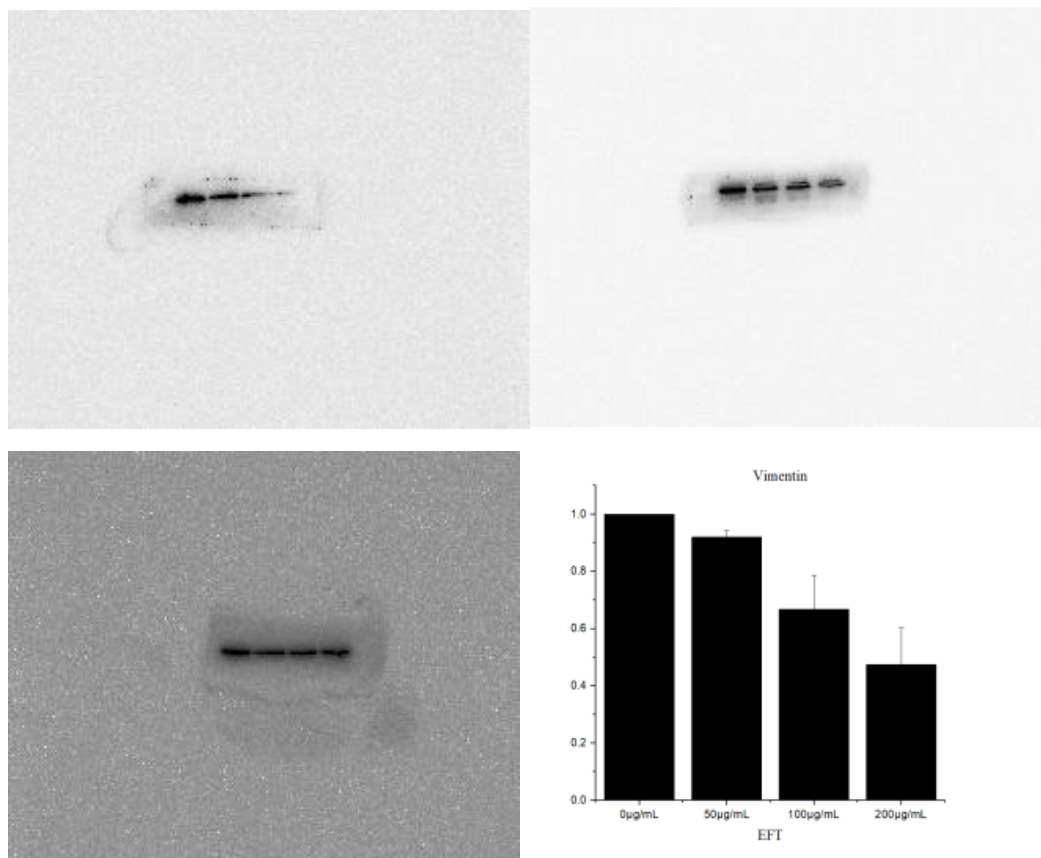


Figure 5A
ZEB1

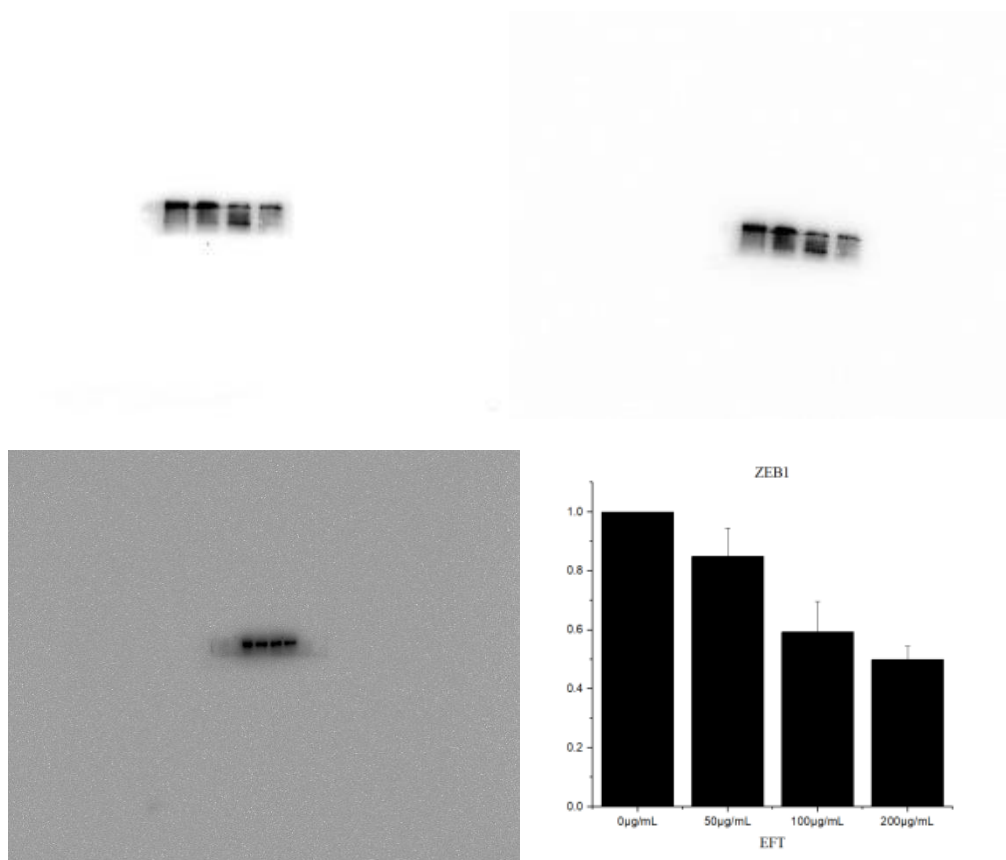


Figure 5A

β -actin

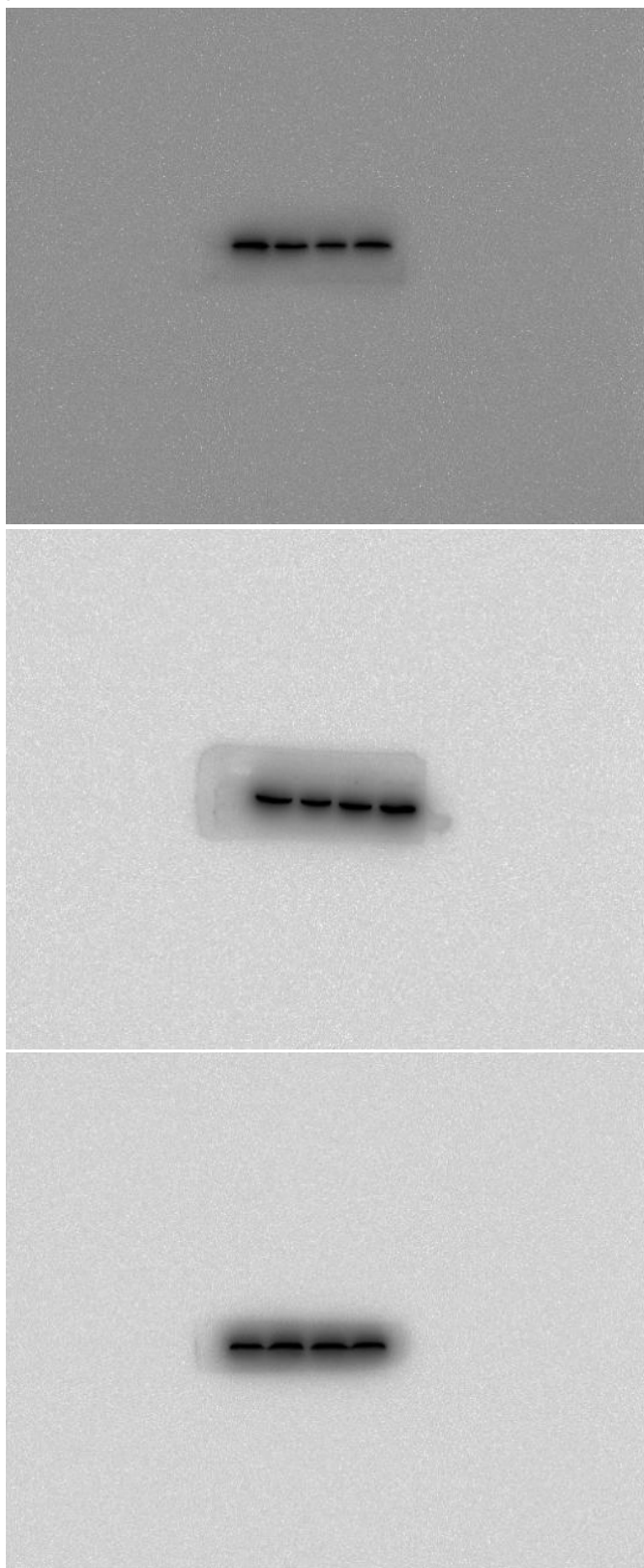


Figure 5C
MMP2

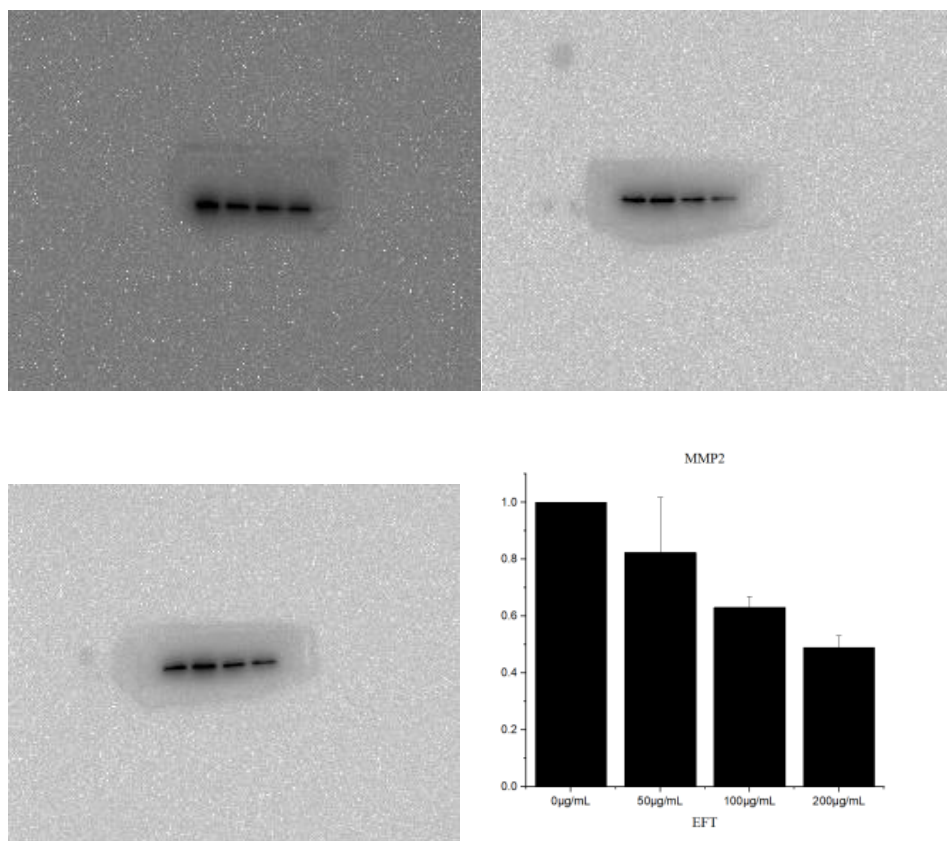


Figure 5C
MMP9

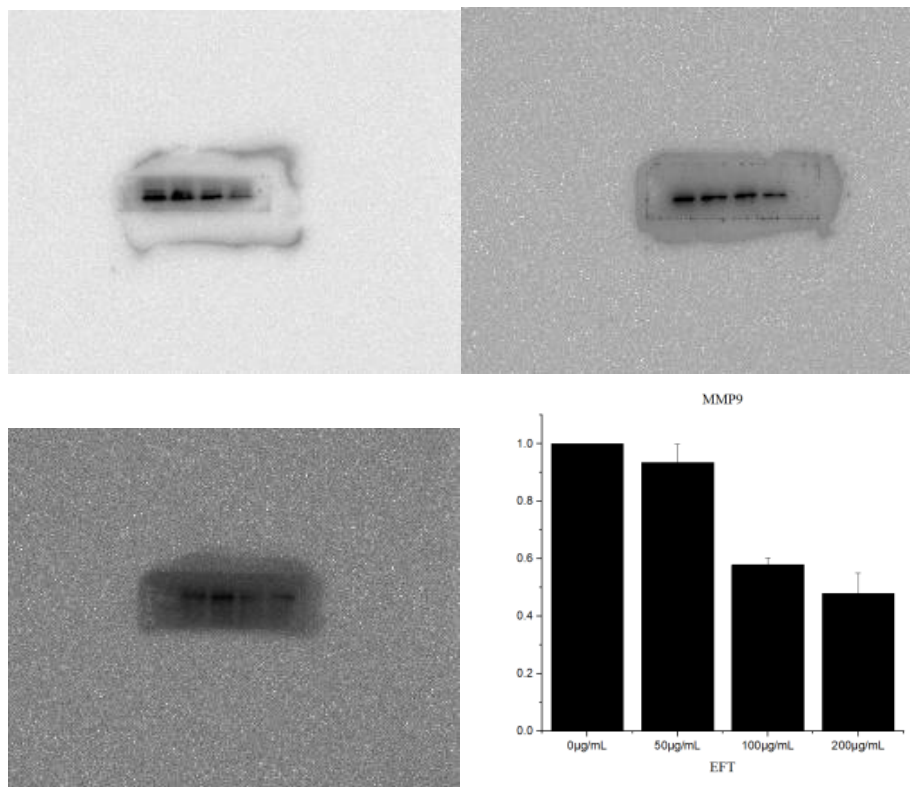
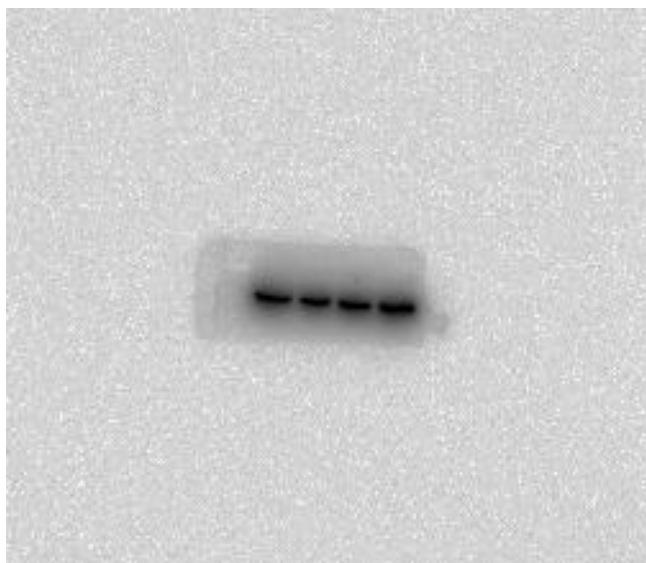
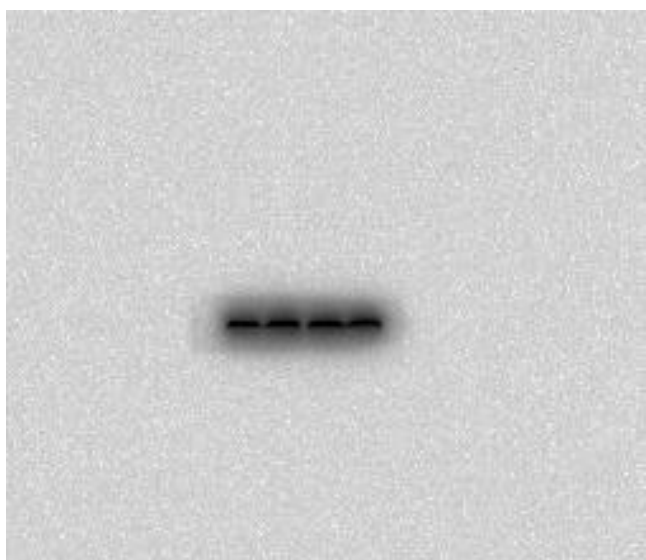
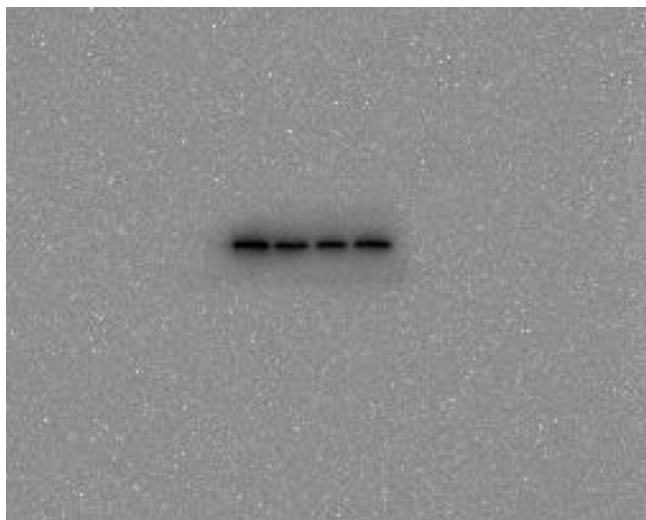


Figure 5C

β -actin



Method:

The lysates were boiled for 5 min at 100 °C. Equal amounts of total protein were separated by 8%–10% sodium dodecyl sulfate-polyacrylamide gel electrophoresis (SDS-PAGE), then transferred to PVDF, blocked with 5 % non-fatty milk in TBS-Tween buffer (pH 7.5, 0.12 M Tris-base, 1.5 M NaCl, 0.1 % Tween-20) for 2 h at room temperature. **PVDF membrane was cut into smaller membrane pieces according to the different molecular weights of the targeted proteins. The cropped PVDF membrane was incubated separately with the corresponding primary antibody at 4°C overnight.** Then incubated with HRP conjugated secondary antibodies (goat-antirabbit or goat-antimouse) at room temperature in the dark for 2 h. Detection was performed using an ECL system. Protein quantification was normalized to β -actin expression. ImageJ software was used to quantify band intensities.

Additional information:

We have submitted the original gel images as we could. However, we didn't retain the full gel images as we used to test the targeted proteins and reference proteins at the same time (the blots cut prior to hybridisation with antibodies). But the cropped gels we submitted were the original ones which can see the important bands or the boundary of the gels. And we will keep the full gel images in our next work.