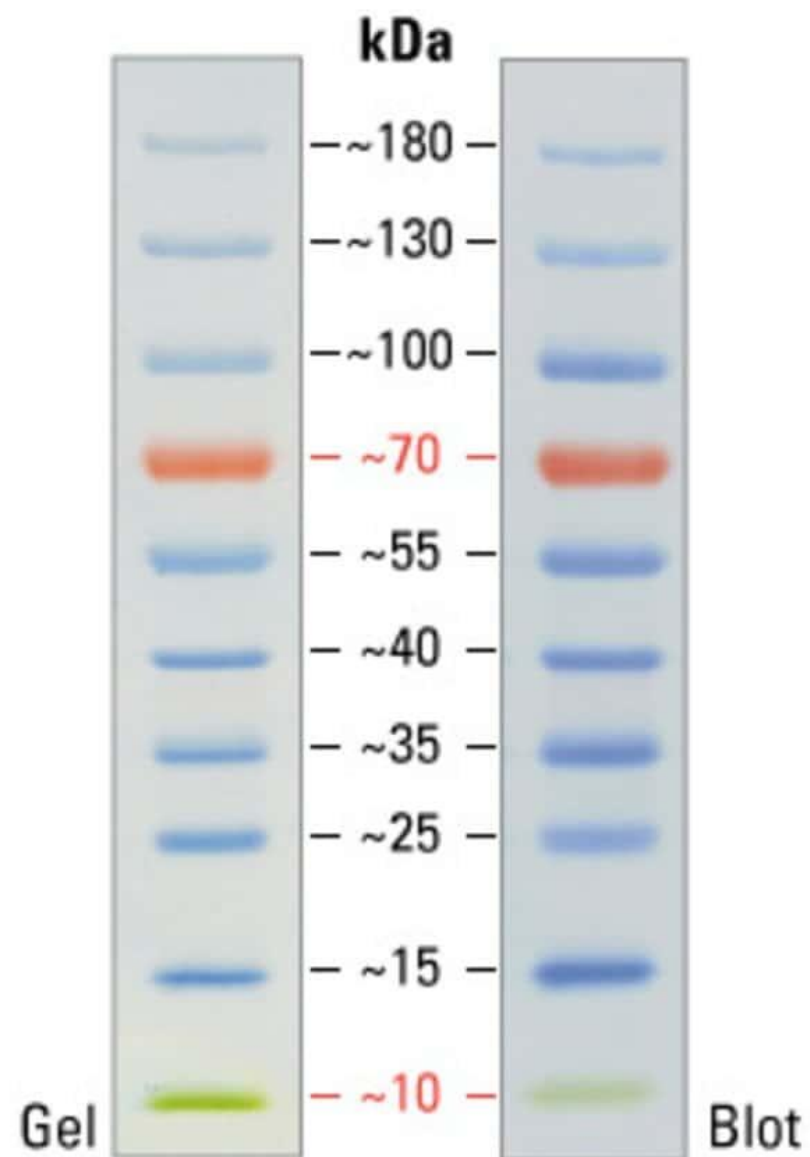


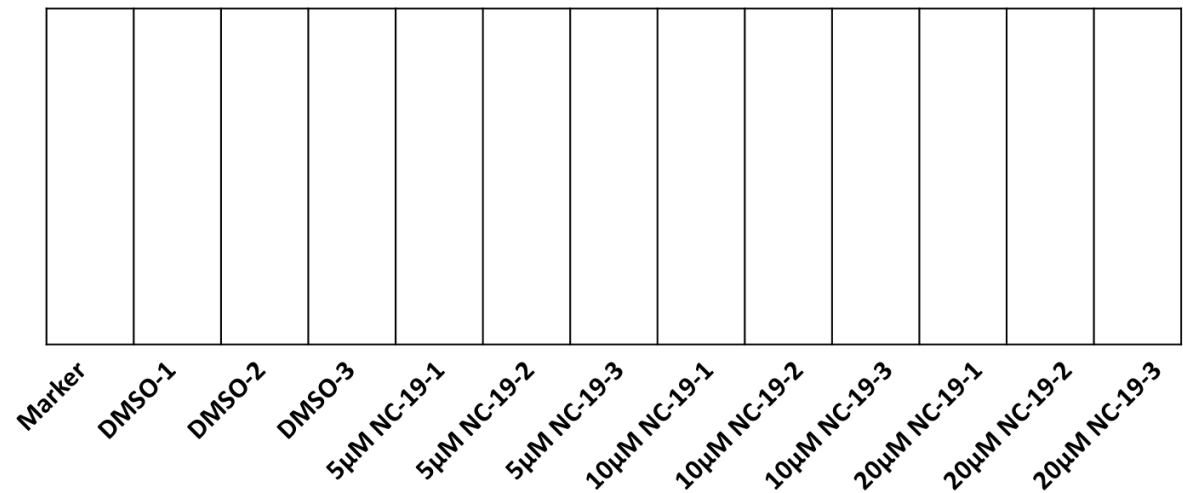
Marker (Thermo 26616)



Gel lane sequence

After treatment with DMSO and **NC-19**, the HT-29 cells were lysed with RIPA. Three triplicated DMSO samples were named as DMSO-1, DMSO-2, DMSO-3. **NC-19** treated samples were named as 5μM **NC-19**-1, 5μM **NC-19**-2, 5μM **NC-19**-3, 10μM **NC-19**-1, 10μM **NC-19**-2, 10μM **NC-19**-3, 20μM **NC-19**-1, 20μM **NC-19**-2 and 20μM **NC-19**-3.

All gels share the same lane sequence, as shown below

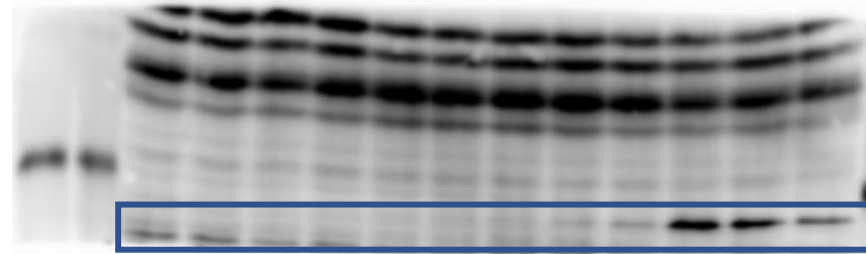


After membrane transferred, we cut the gel into two parts by molecular weight, the first half part(**IOP Gel**) was incubated with IOP (Interest Of Protein) primary antibody, the second half part(**ICP Gel**) was incubated with ICP(Internal Control Protein) primary antibody (GAPDH, Tubulin, Calnexin). Then two parts of gel were incubated with secondary antibody after wash, then analysis by ChemiDoc™ XRS+(Bio-Rad).

Figure-2F Cleaved-Caspase-3 (35kda)

Cleaved-Caspase-3 blot image
presented in Figure 2F of manuscript

25kda Marker ←



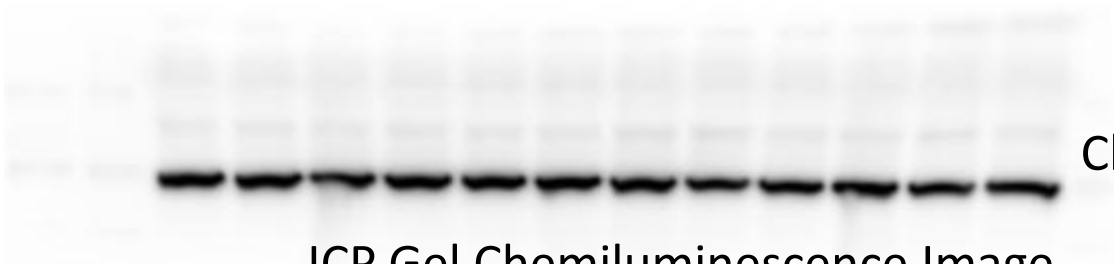
IOP Gel Chemiluminescence Image



IOP Gel Colorimetric Image

Figure 2F Cleaved-Caspase-3-Calnexin(90kda)

70kda Marker ←



Cleaved-Caspase-3 control blot image

ICP Gel Chemiluminescence Image



ICP Gel Colorimetric Image

Figure 2F Cleaved-Caspase-3 merged gel Colorimetric image

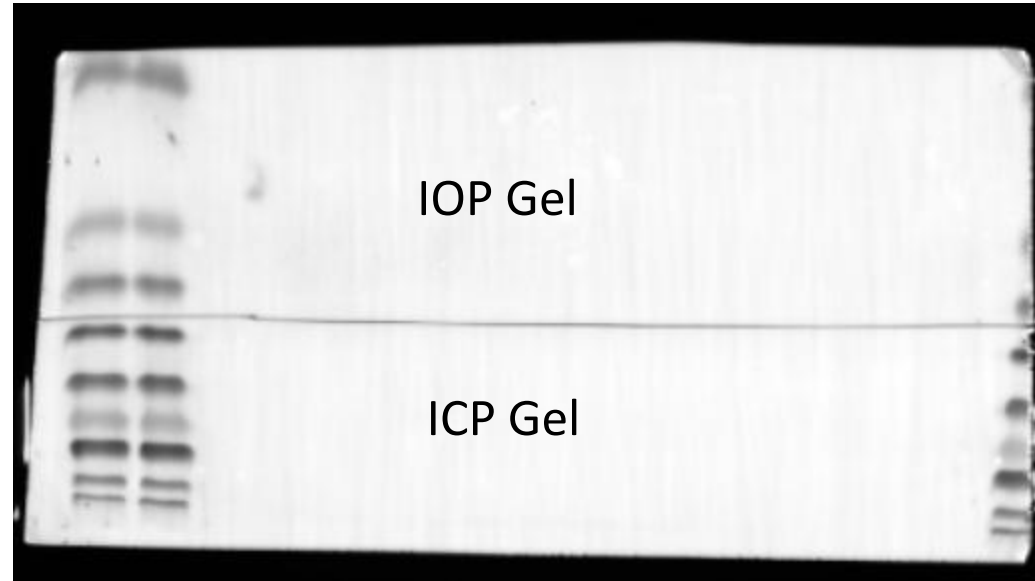
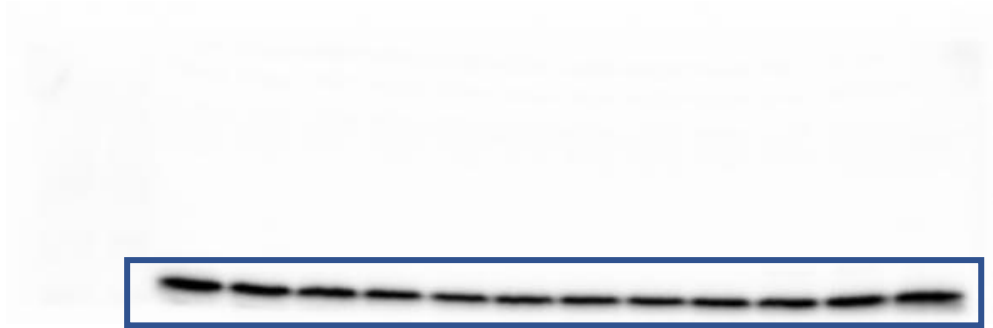


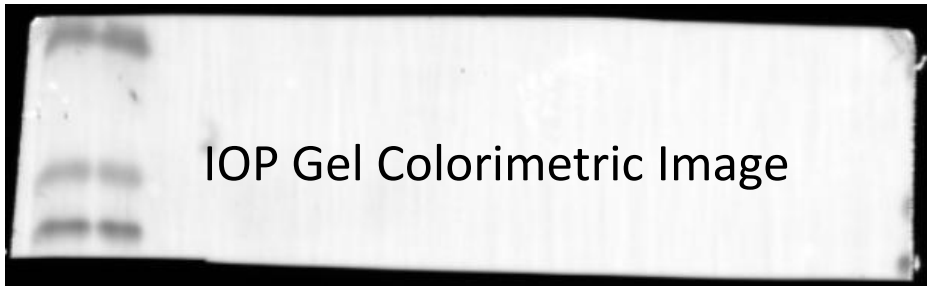
Figure 2F Caspase-3 (35kda)

Caspase-3 blot image presented in Figure 2F of manuscript



IOP Gel Chemiluminescence Image

→ Caspase-3



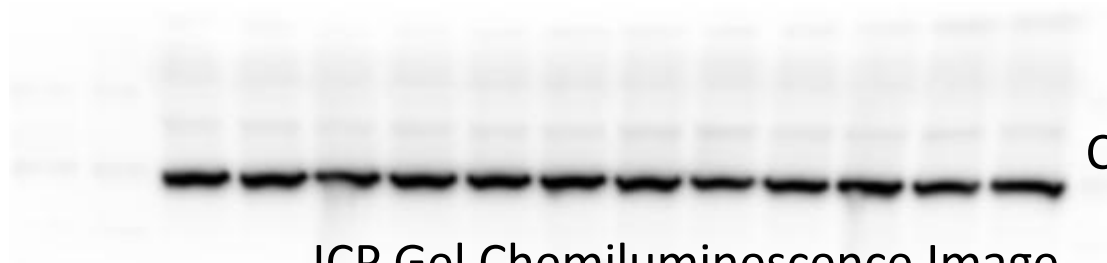
25kda Marker ←

IOP Gel Colorimetric Image

After developing the bands for Cleaved Caspase-3, the gel was stripped using Fast Western Blot Antibody Stripping Buffer and subsequently reprobed for Caspase-3.

Figure 2F Caspase-3-Calnexin (90kda)

70kda Marker



Caspase-3 control blot image

ICP Gel Chemiluminescence Image



ICP Gel Colorimetric Image

Figure 2F Caspase-3 merged gel Colorimetric image

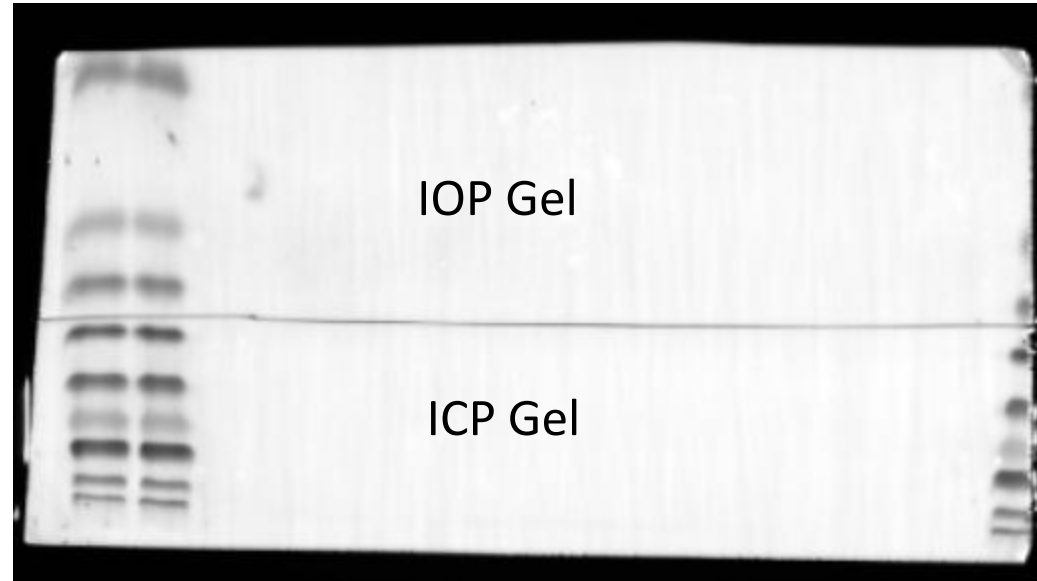


Figure 2F Cleaved-PARP1 (116kda)

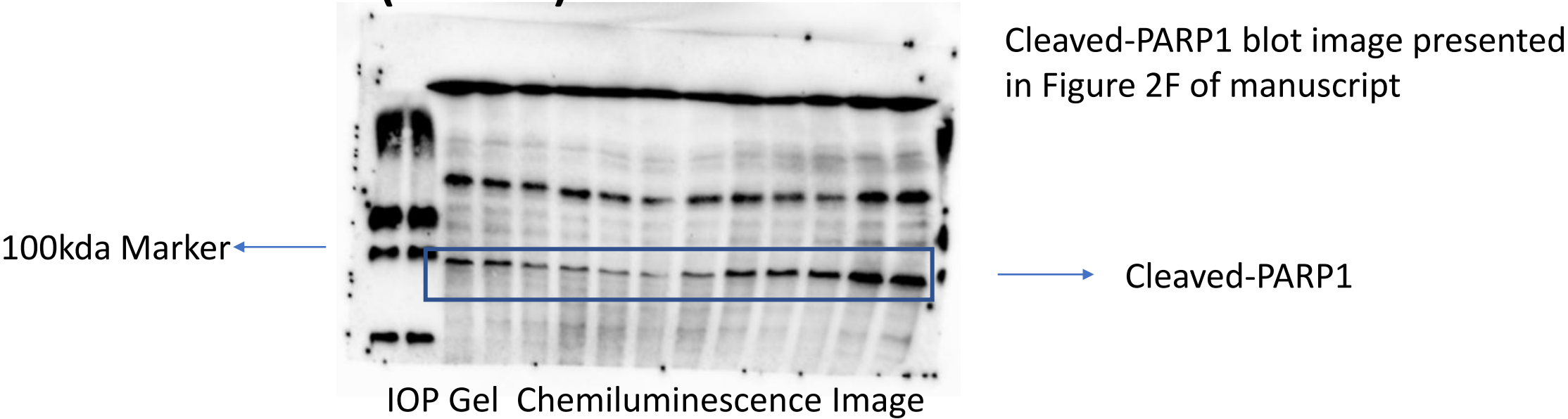
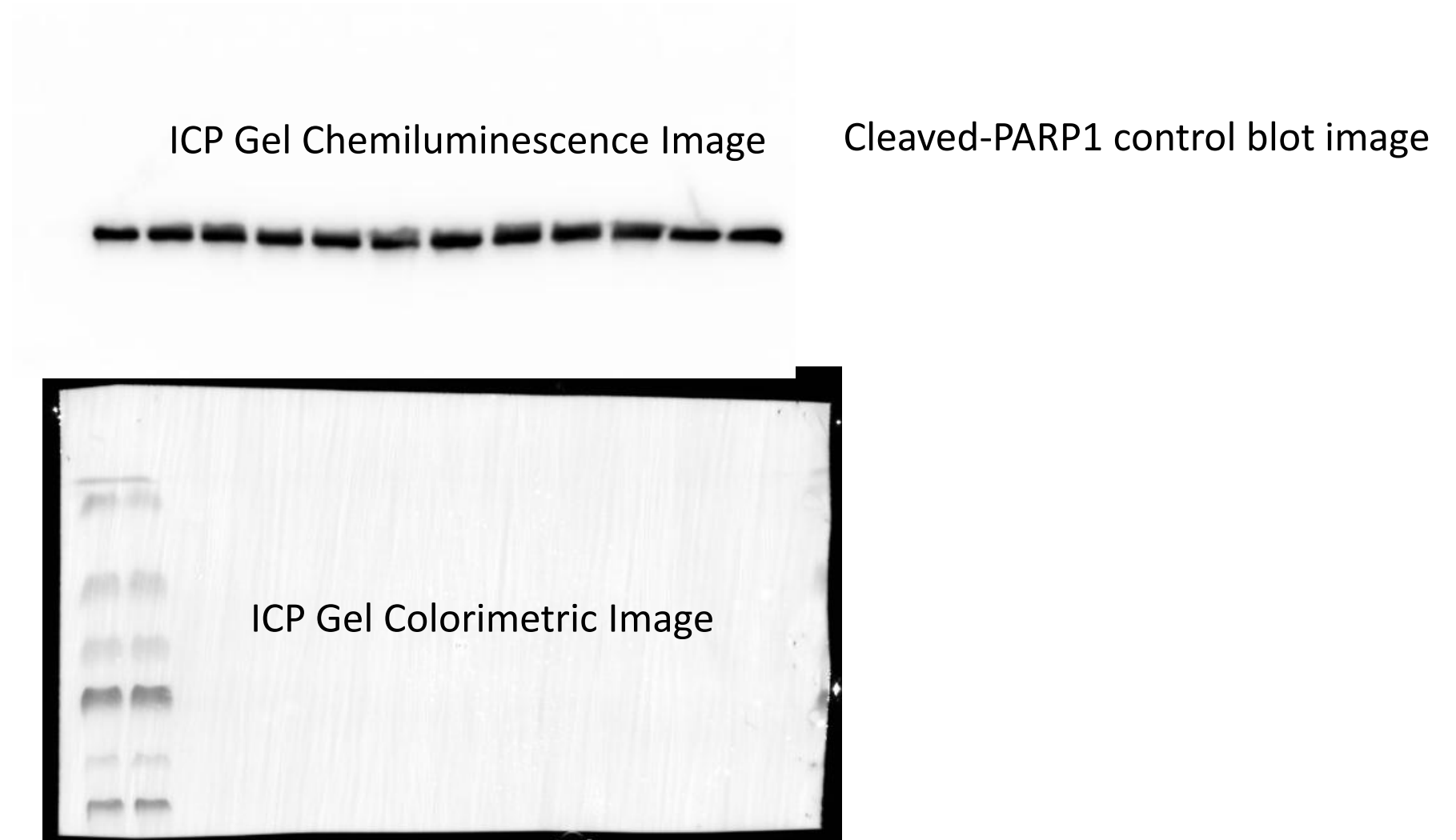


Figure 2F Cleaved-PARP1- Calnexin (90kda)

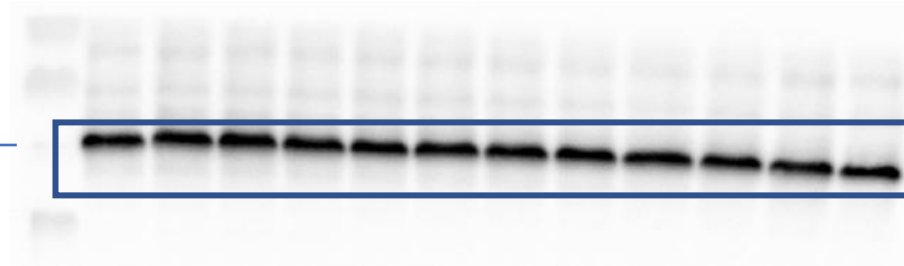


After developing the bands for Cleaved-PARP1, the gel was stripped using Fast Western Blot Antibody Stripping Buffer and subsequently reprobed for Calnexin.

Figure 2F PARP1 (116kda)

PARP blot image presented in Figure 2F of manuscript

100kda Marker



IOP Gel Chemiluminescence Image



IOP Gel Colorimetric Image

Figure 2F PARP1-Tubulin (55kda)

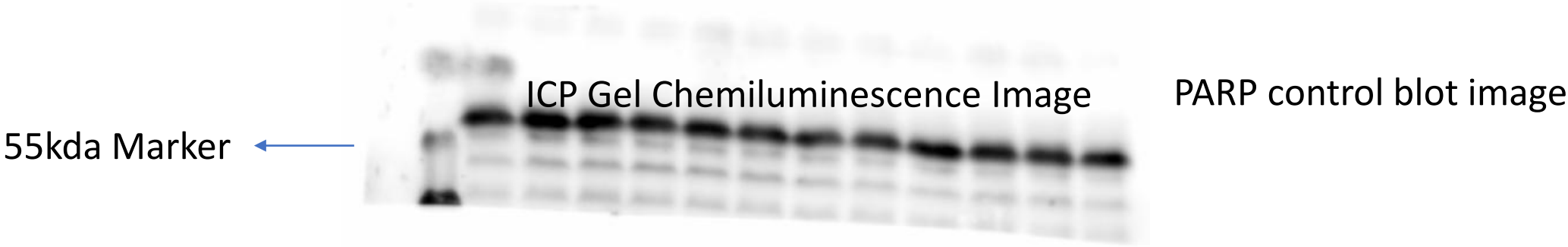


Figure 2F PARP1 merged gel Colorimetric image

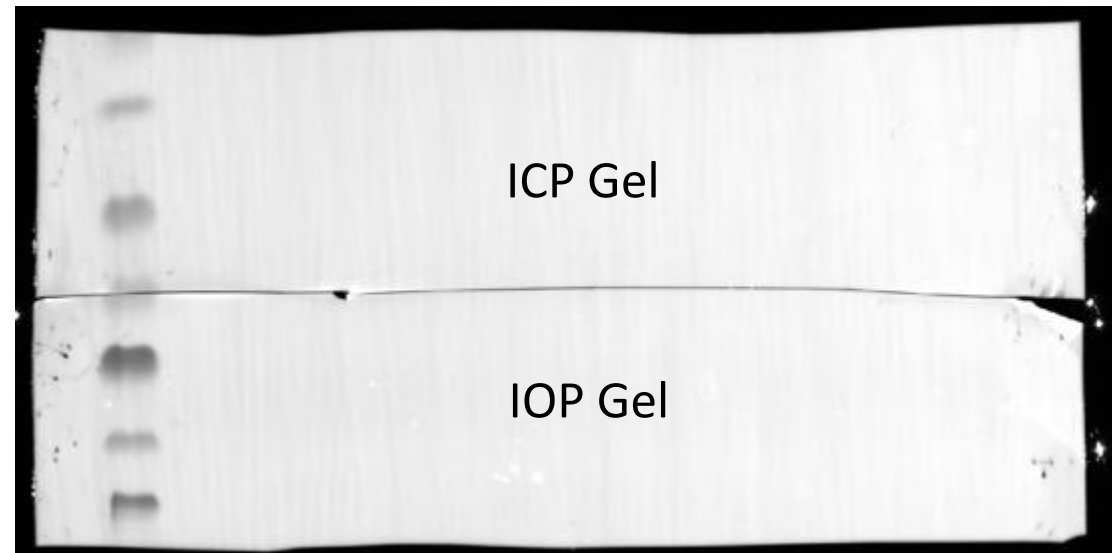


Figure 3C CDK2 (33kda)

CDK2 blot image presented in Figure 3C of manuscript

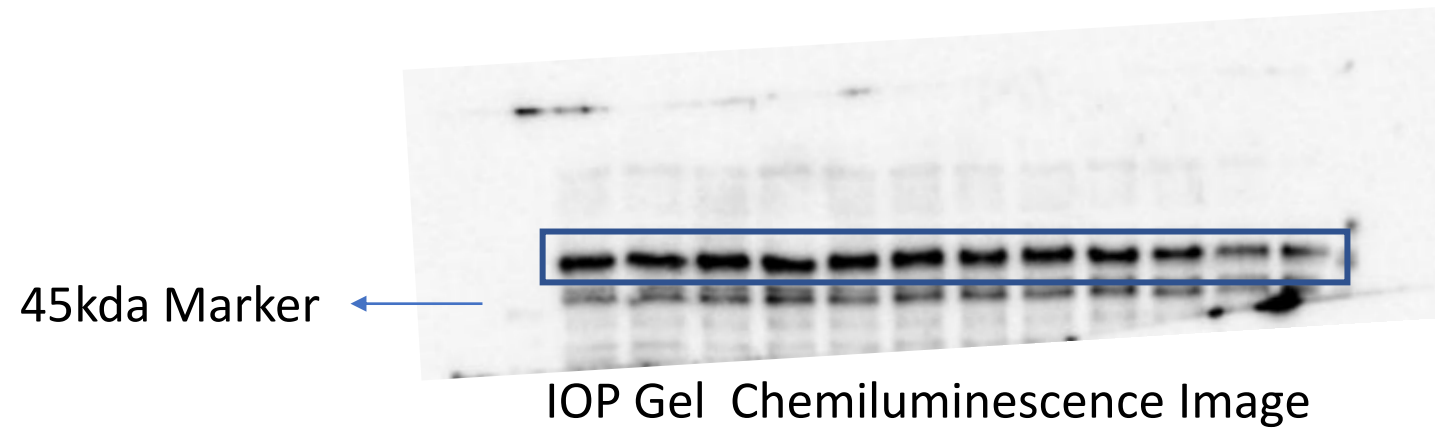
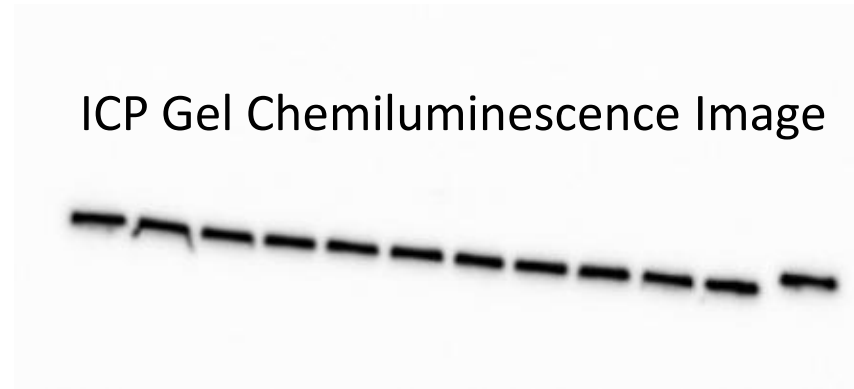


Figure 3C CDK2-Calnexin (90kda)



CDK2 control blot image



Figure 3C CDK2 merged gel Colorimetric image

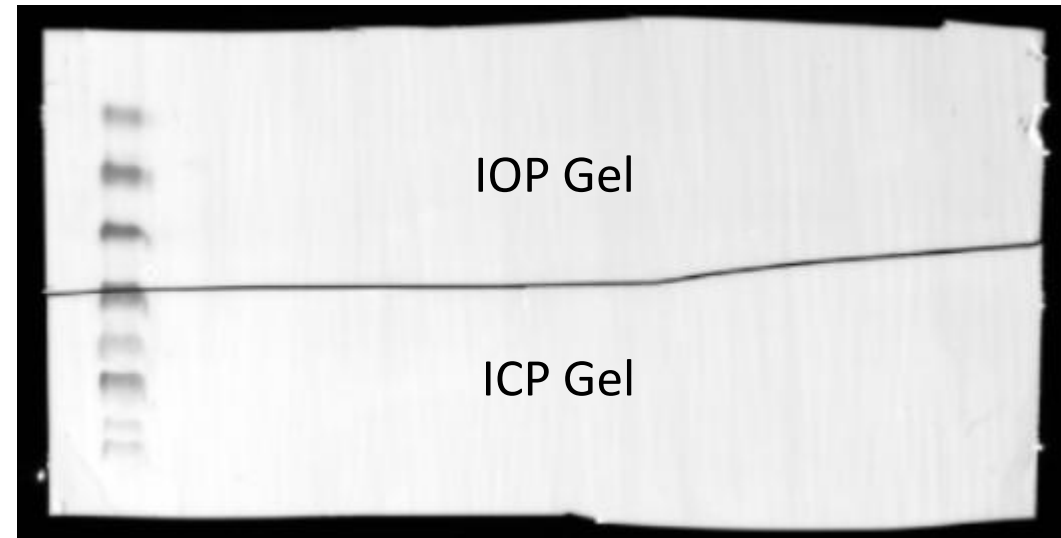
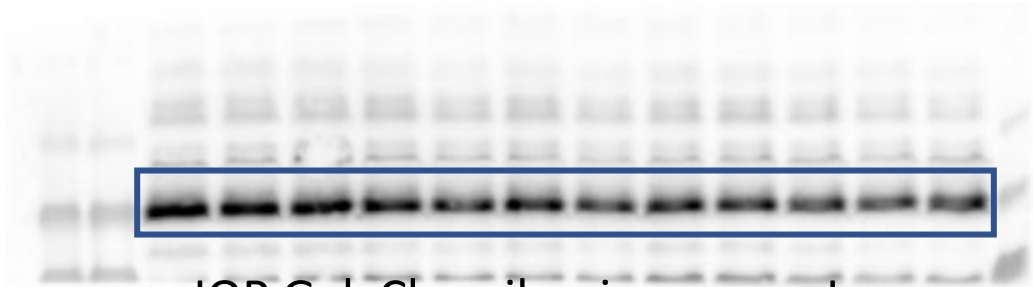


Figure 3C Cyclin E (47kda)

Cyclin E blot image presented in
Figure 3C of manuscript

55kda Marker ←



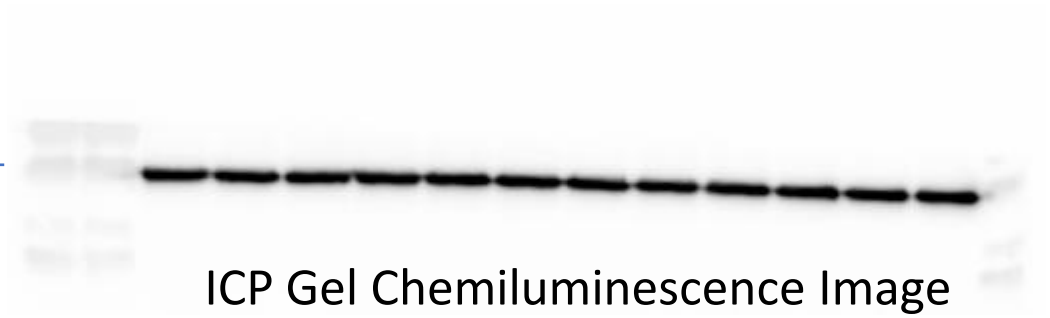
IOP Gel Chemiluminescence Image



IOP Gel Colorimetric Image

Figure 3C Cyclin E-Calnexin (90kda)

100kda Marker



Cyclin E control blot image



Figure 3C Cyclin E merged gel Colorimetric image

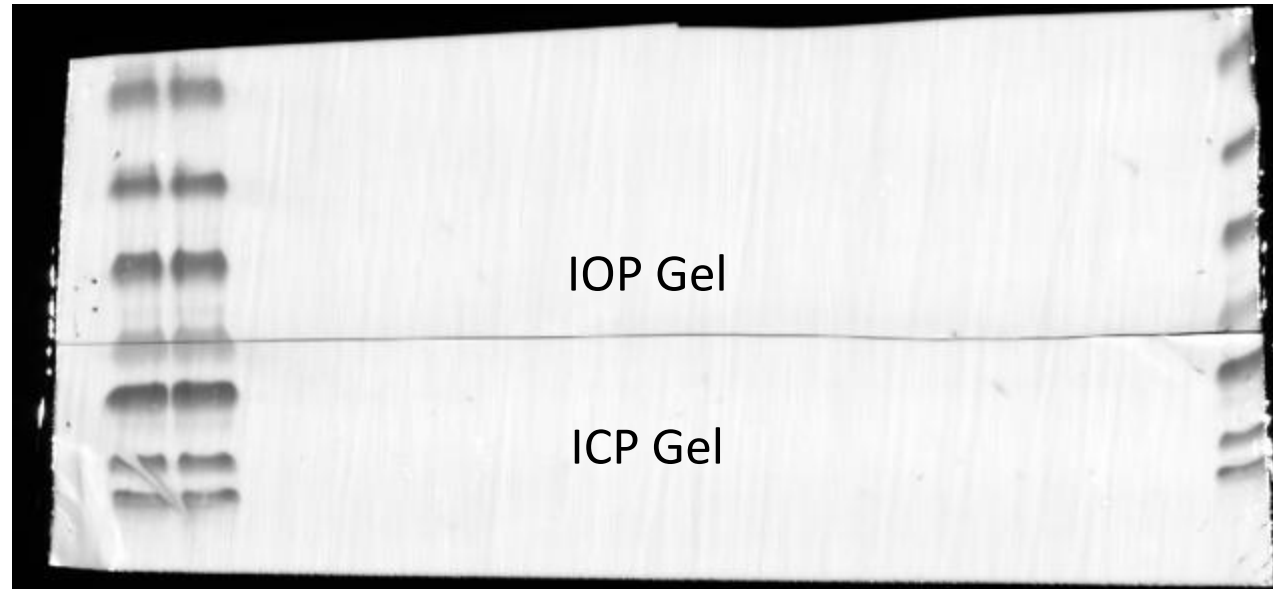
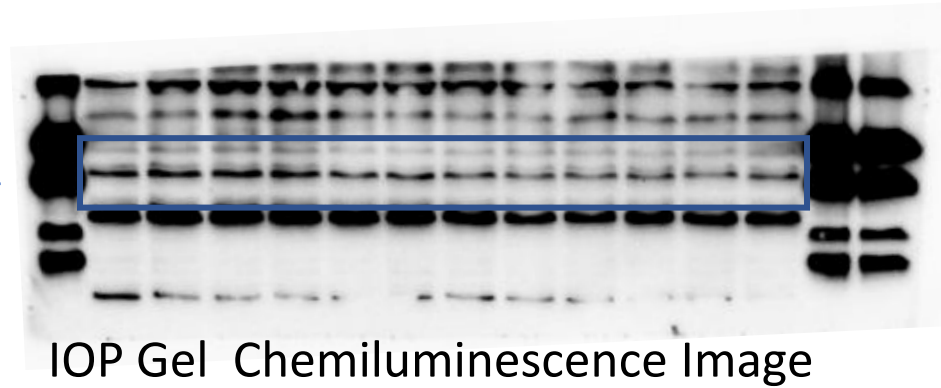


Figure 4C MMP9 (92kda)

MMP9 blot image presented in
Figure 4C of manuscript

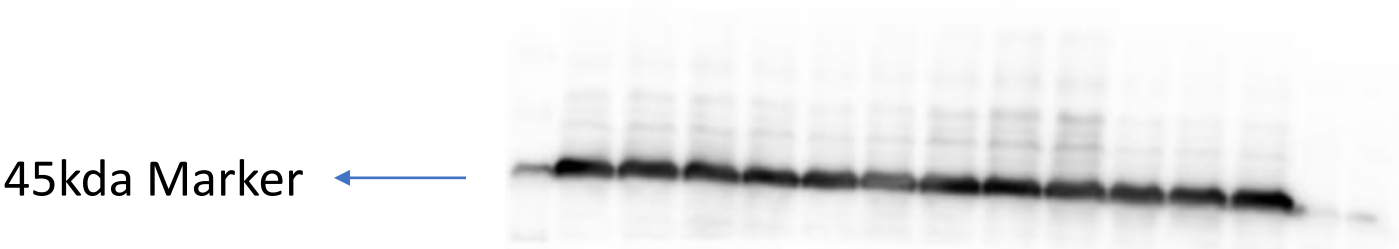
100kda Marker



IOP Gel Colorimetric Image



Figure 4C MMP9-GAPDH (90kda)



MMP9 control blot image

ICP Gel Chemiluminescence Image



ICP Gel Colorimetric Image

Figure 4C MMP9 merged gel Colorimetric image

