Figure 1B

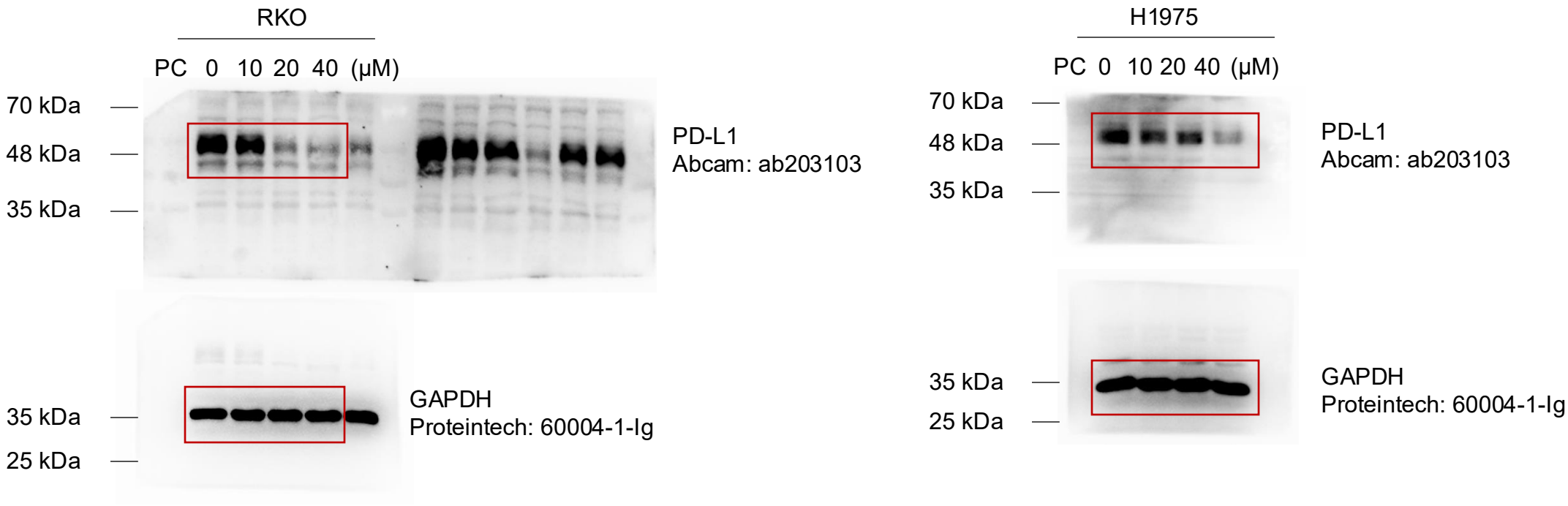

RKO
PC 0 10 20 40 (μM)
70 kDa
48 kDa
35 kDa
PD-L1
Abcam: ab203103
35 kDa
25 kDa
GAPDH
Proteintech: 60004-1-Ig
H1975
PC 0 10 20 40 (μM)
70 kDa
48 kDa
35 kDa
PD-L1
Abcam: ab203103
35 kDa
25 kDa
GAPDH
Proteintech: 60004-1-Ig

Figure 1D

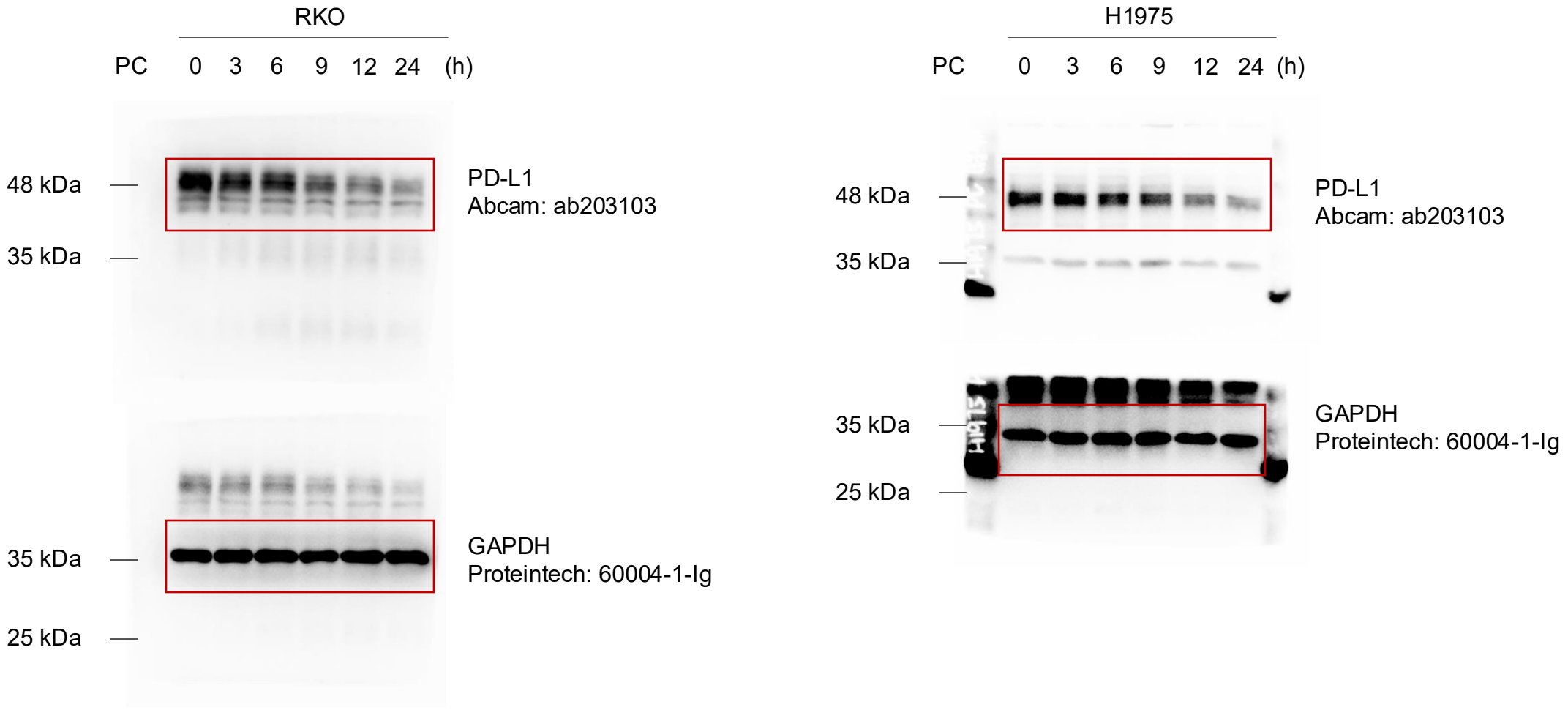

RKO
PC 0 3 6 9 12 24 (h)
48 kDa
35 kDa
PD-L1
Abcam: ab203103
35 kDa
25 kDa
GAPDH
Proteintech: 60004-1-Ig
H1975
PC 0 3 6 9 12 24 (h)
48 kDa
35 kDa
PD-L1
Abcam: ab203103
35 kDa
25 kDa
GAPDH
Proteintech: 60004-1-Ig

Figure 2L

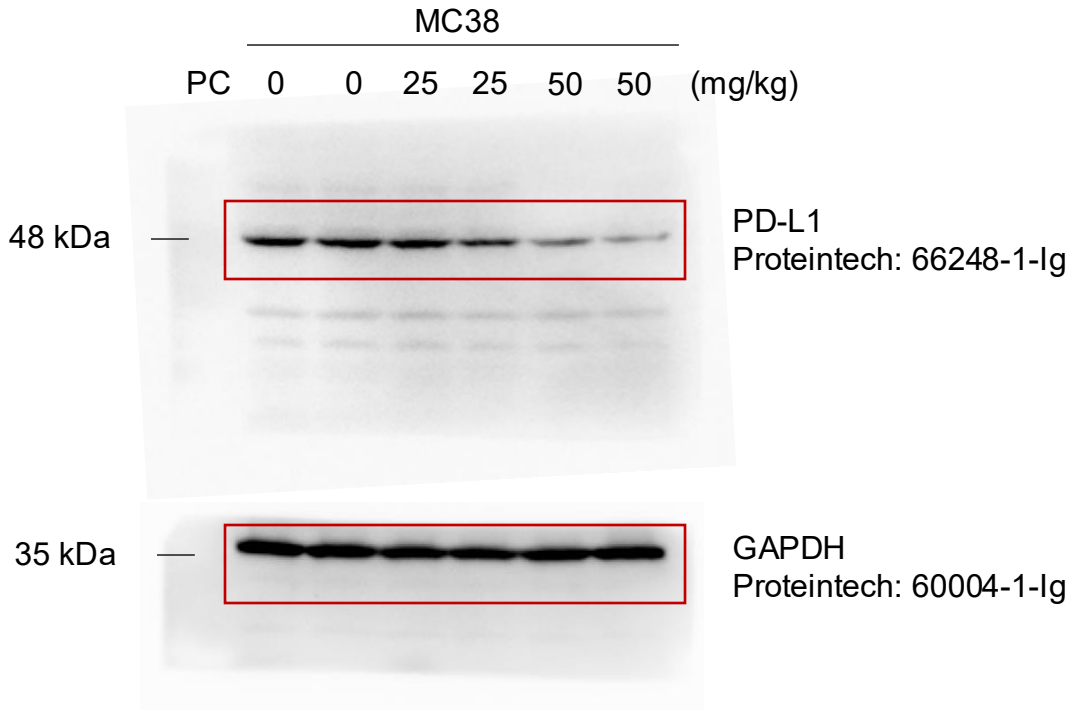

MC38
PC 0 0 25 25 50 50 (mg/kg)
48 kDa
PD-L1
Proteintech: 66248-1-Ig
35 kDa
GAPDH
Proteintech: 60004-1-Ig

Figure 5A

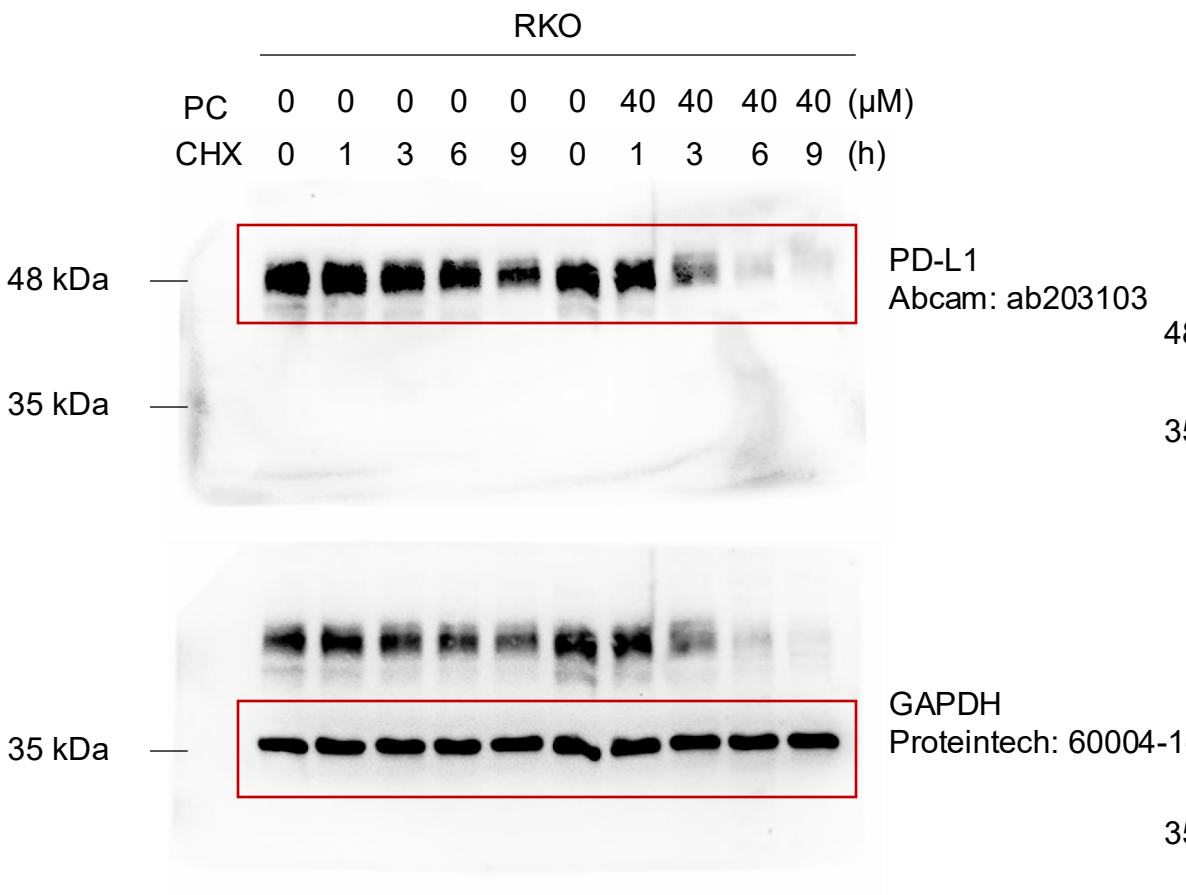


Figure 5D

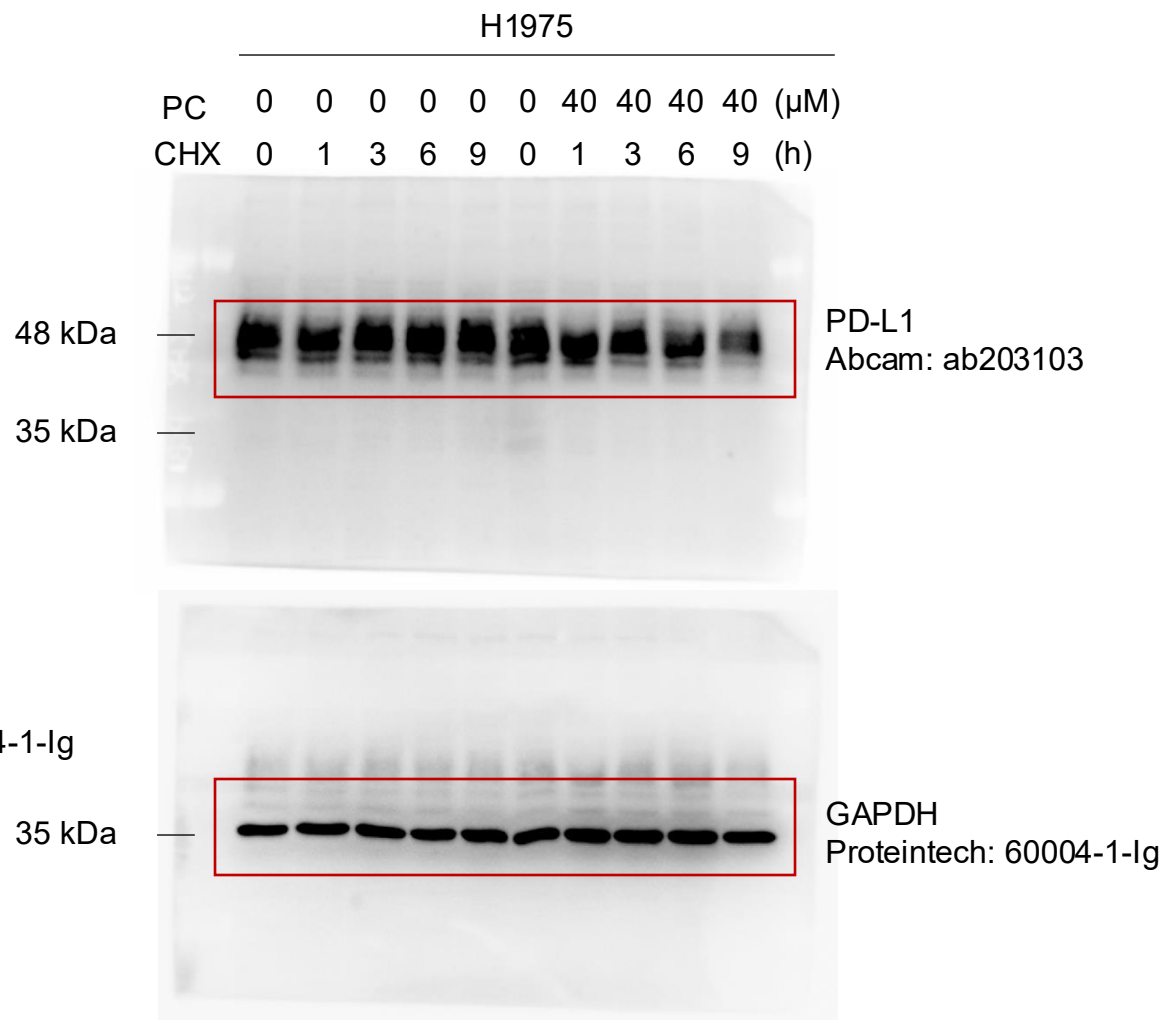


Figure 5E

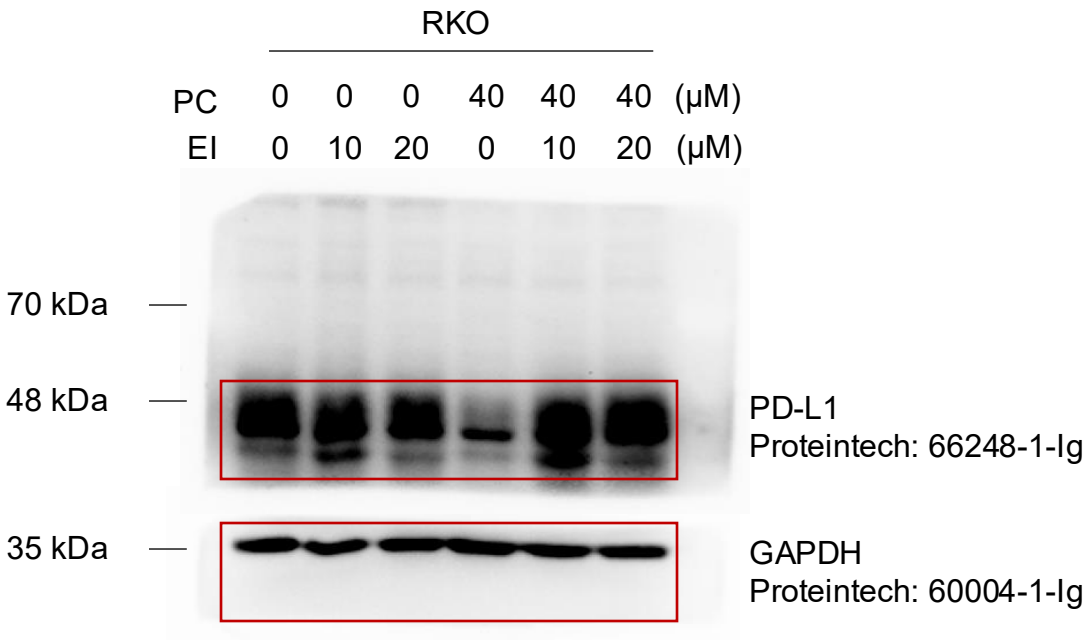


Figure 5F

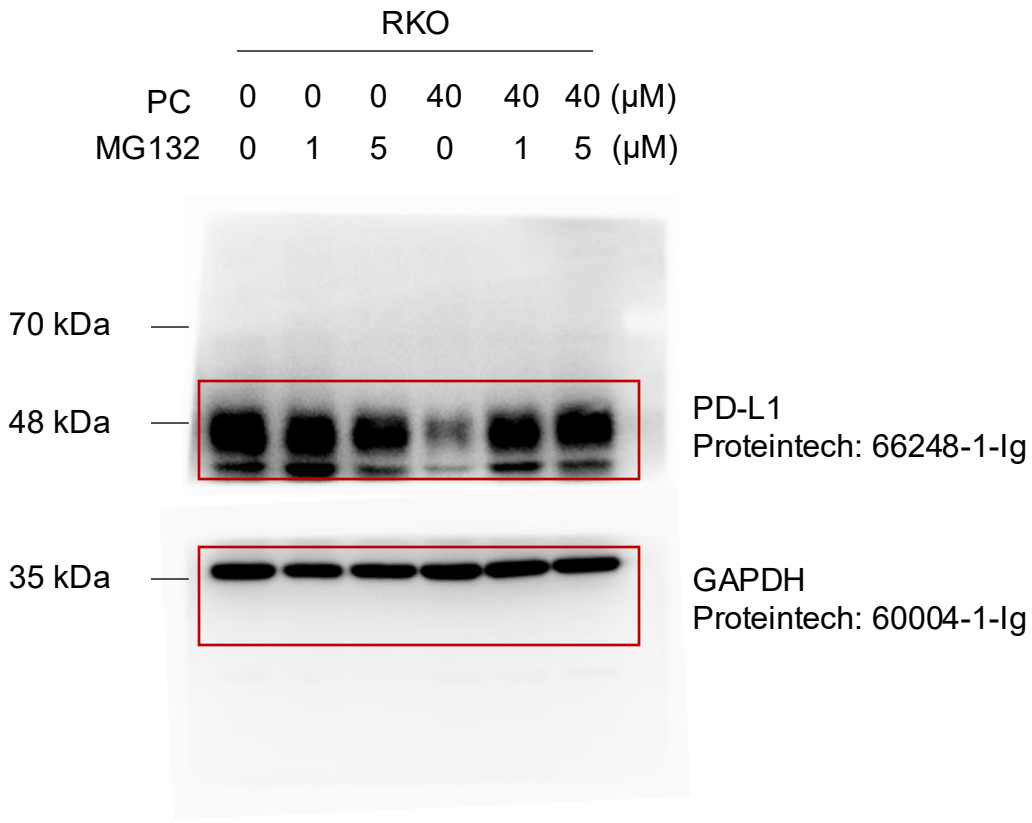


Figure 5G

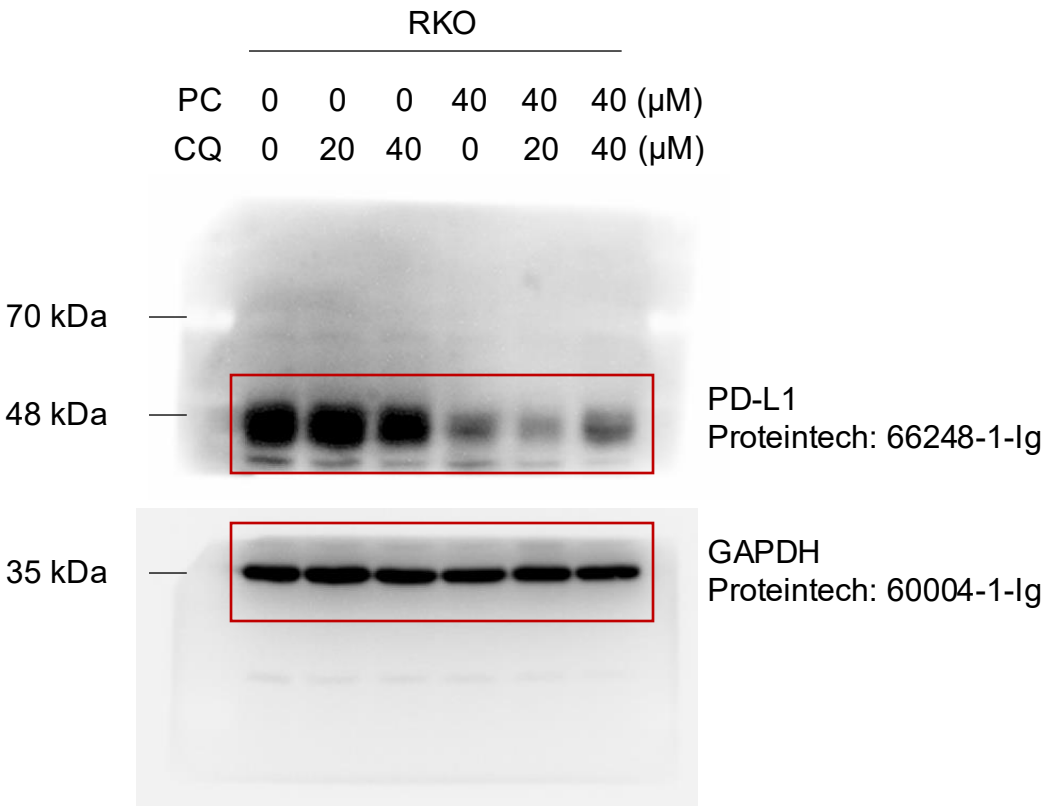


Figure 5H

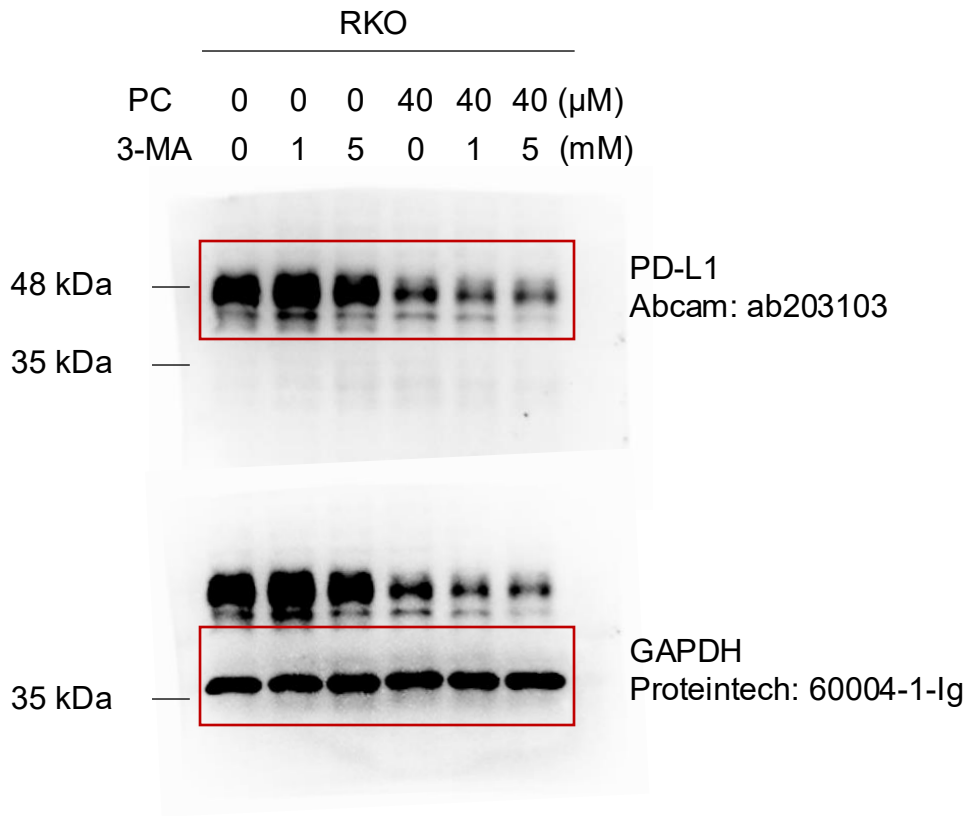


Figure 5O

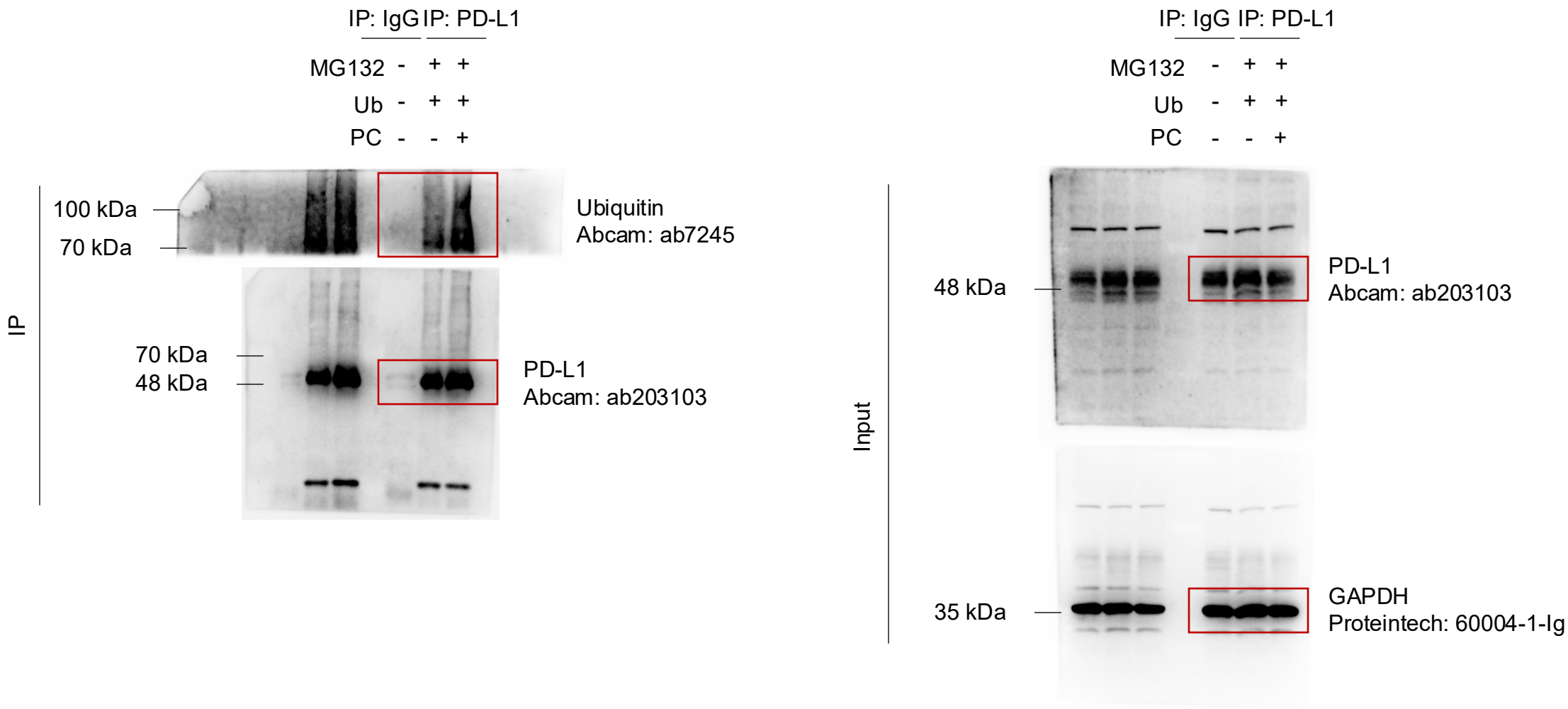

IP: IgG
IP: PD-L1
MG132 - + +
Ub - + +
PC - - +
IP
100 kDa
70 kDa
Ubiquitin
Abcam: ab7245
70 kDa
48 kDa
PD-L1
Abcam: ab203103
IP: IgG
IP: PD-L1
MG132 - + +
Ub - + +
PC - - +
Input
48 kDa
PD-L1
Abcam: ab203103
35 kDa
GAPDH
Proteintech: 60004-1-Ig

Figure 5P

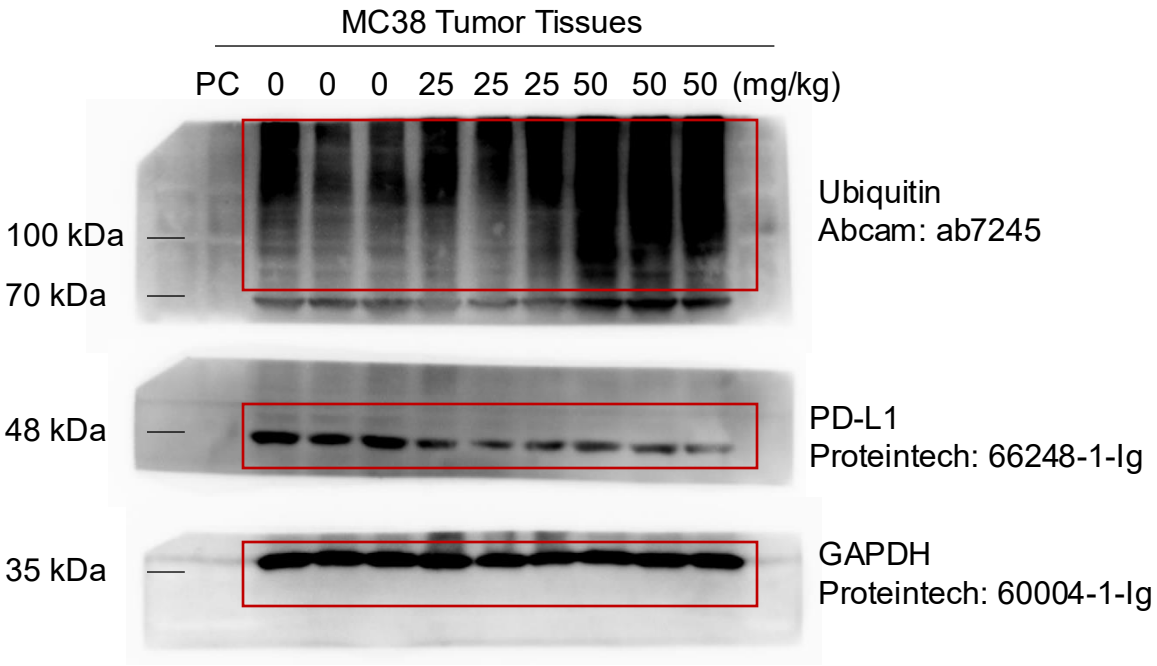


Figure 5Q

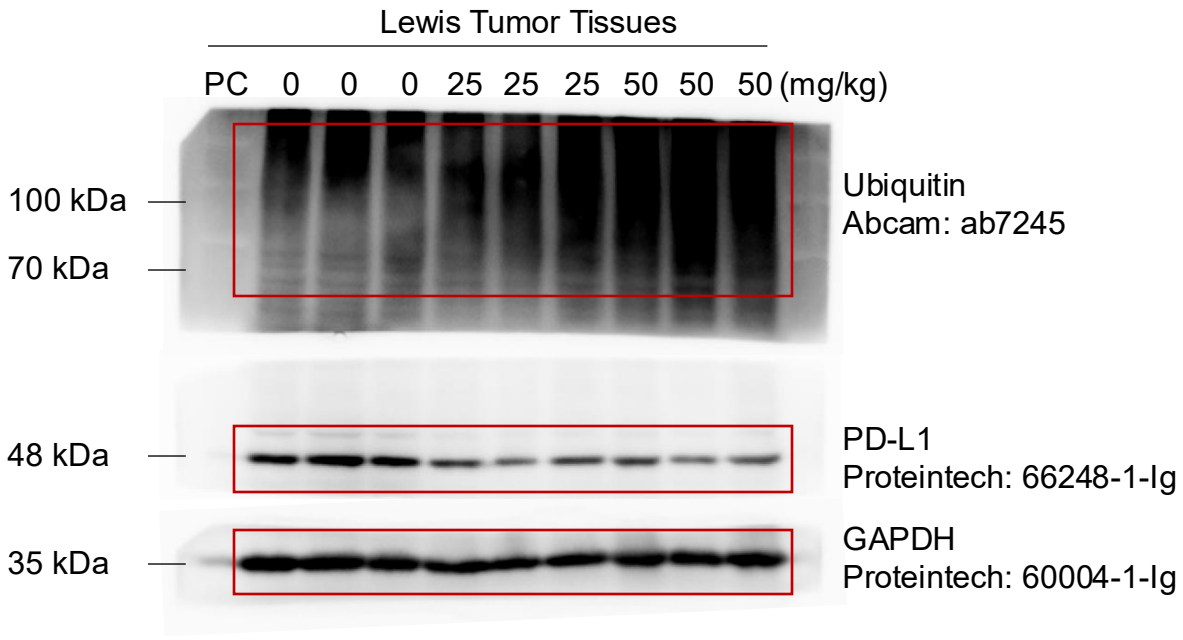


Figure 5R

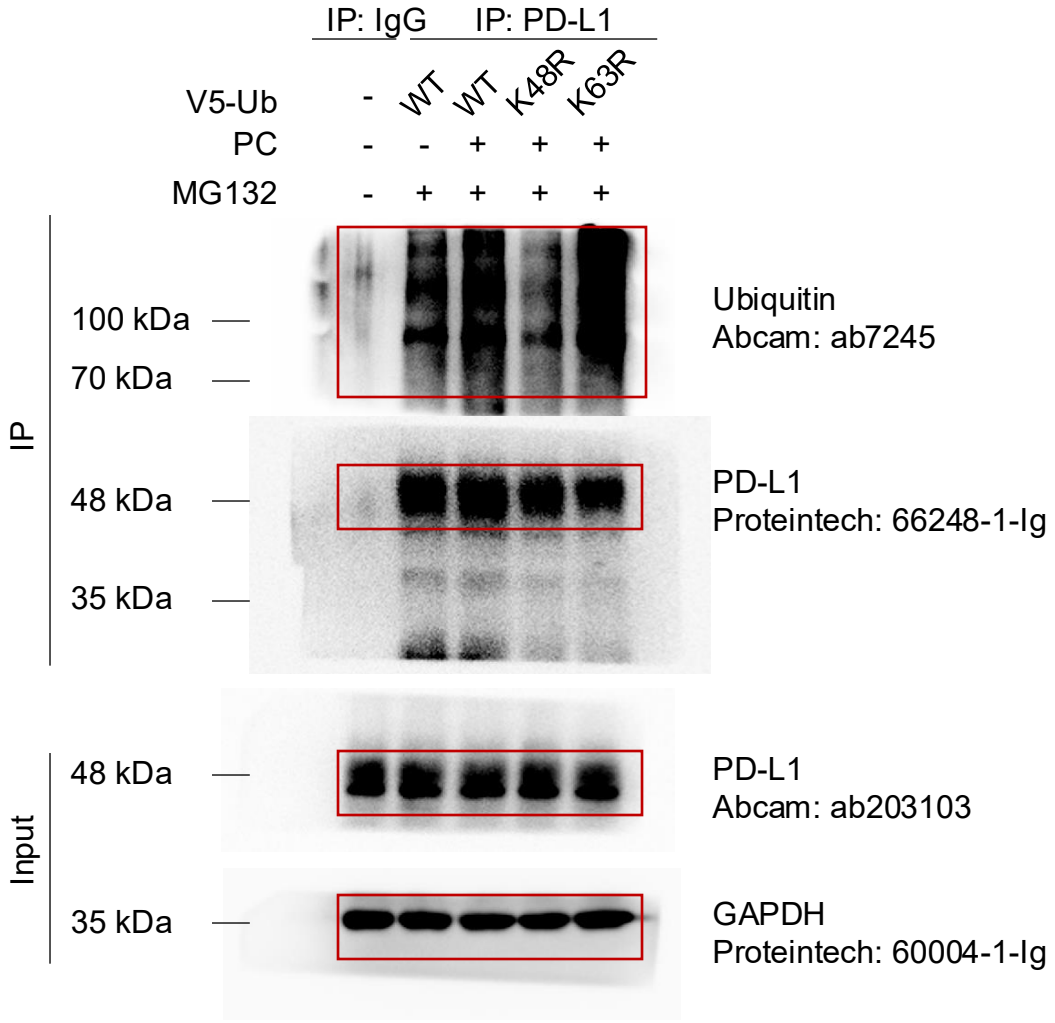

IP: IgG
IP: PD-L1
V5-Ub
PC
MG132
-
WT
WT
K48R
K63R
-
-
+
+
+
-
+
+
+
+
IP
Input
100 kDa
70 kDa
48 kDa
35 kDa
48 kDa
35 kDa
Ubiquitin
Abcam: ab7245
PD-L1
Proteintech: 66248-1-Ig
PD-L1
Abcam: ab203103
GAPDH
Proteintech: 60004-1-Ig

Figure 6A

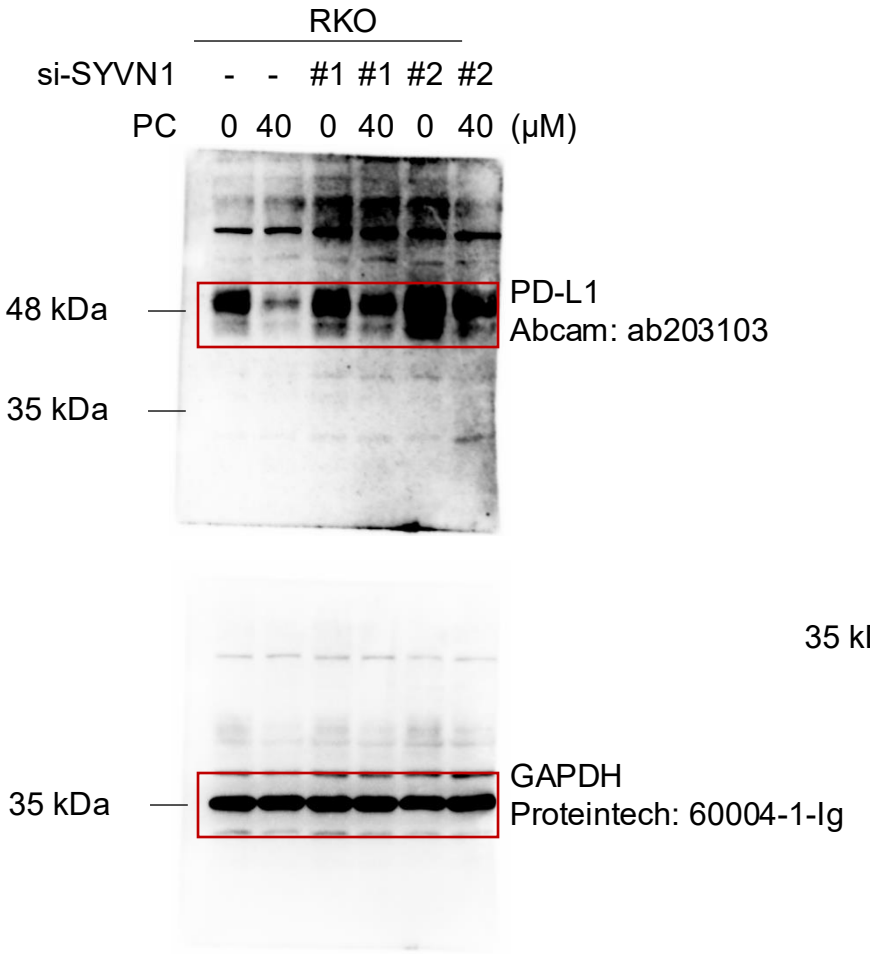


Figure 4D

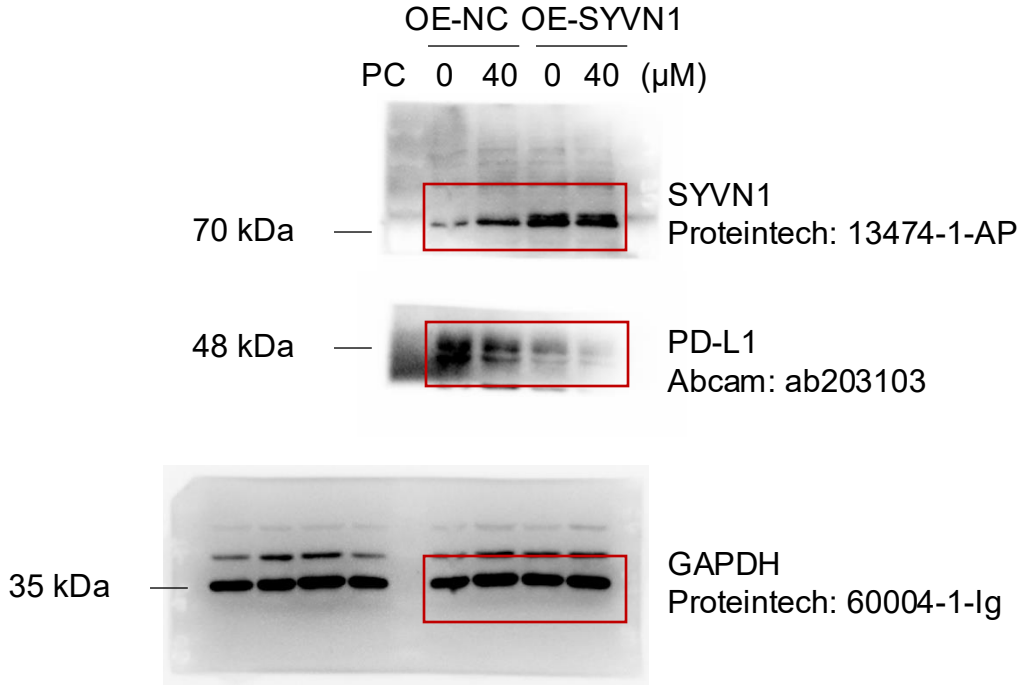


Figure 6K

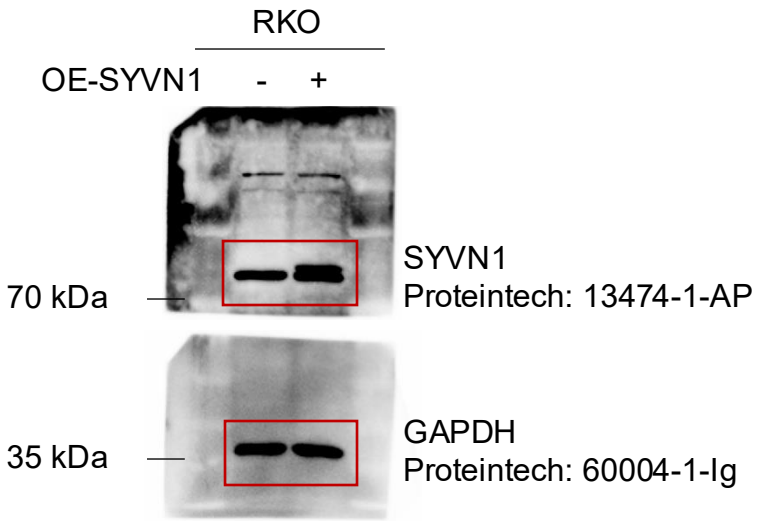
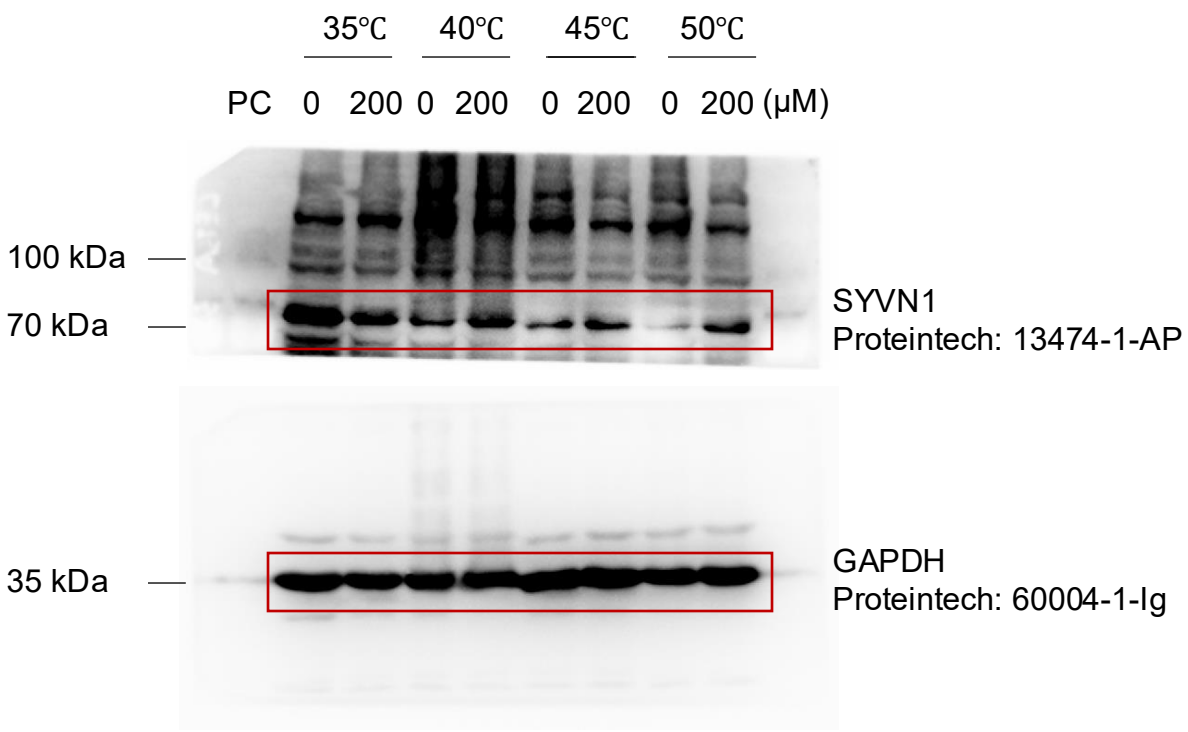

RKO
OE-SYVN1 - +
70 kDa
SYVN1
Proteintech: 13474-1-AP
35 kDa
GAPDH
Proteintech: 60004-1-Ig

Figure 6O


35℃
40℃
45℃
50℃
PC 0 200 0 200 0 200 0 200 (μM)
100 kDa
70 kDa
SYVN1
Proteintech: 13474-1-AP
35 kDa
GAPDH
Proteintech: 60004-1-Ig

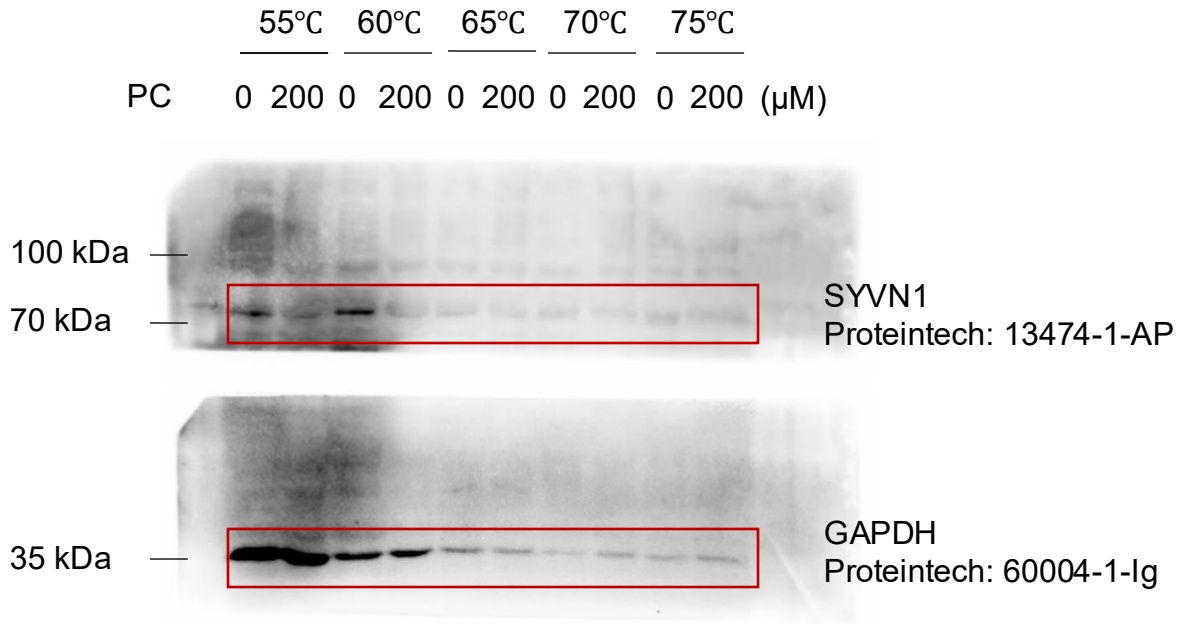

55℃
60℃
65℃
70℃
75℃
PC 0 200 0 200 0 200 0 200 0 200 (μM)
100 kDa
70 kDa
SYVN1
Proteintech: 13474-1-AP
35 kDa
GAPDH
Proteintech: 60004-1-Ig

Figure 6P

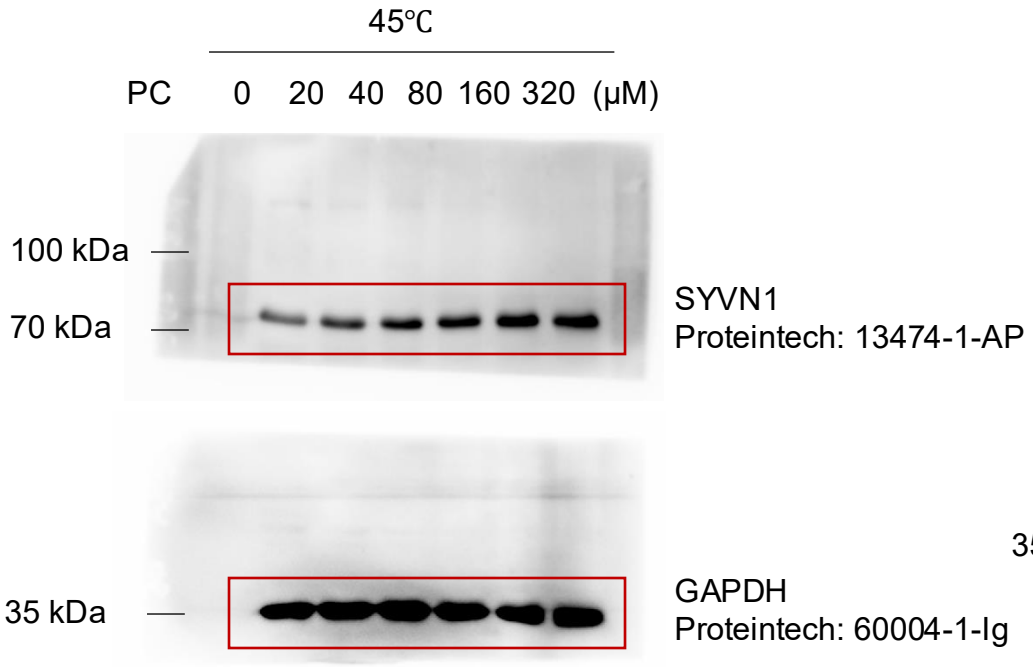


Figure 6Q

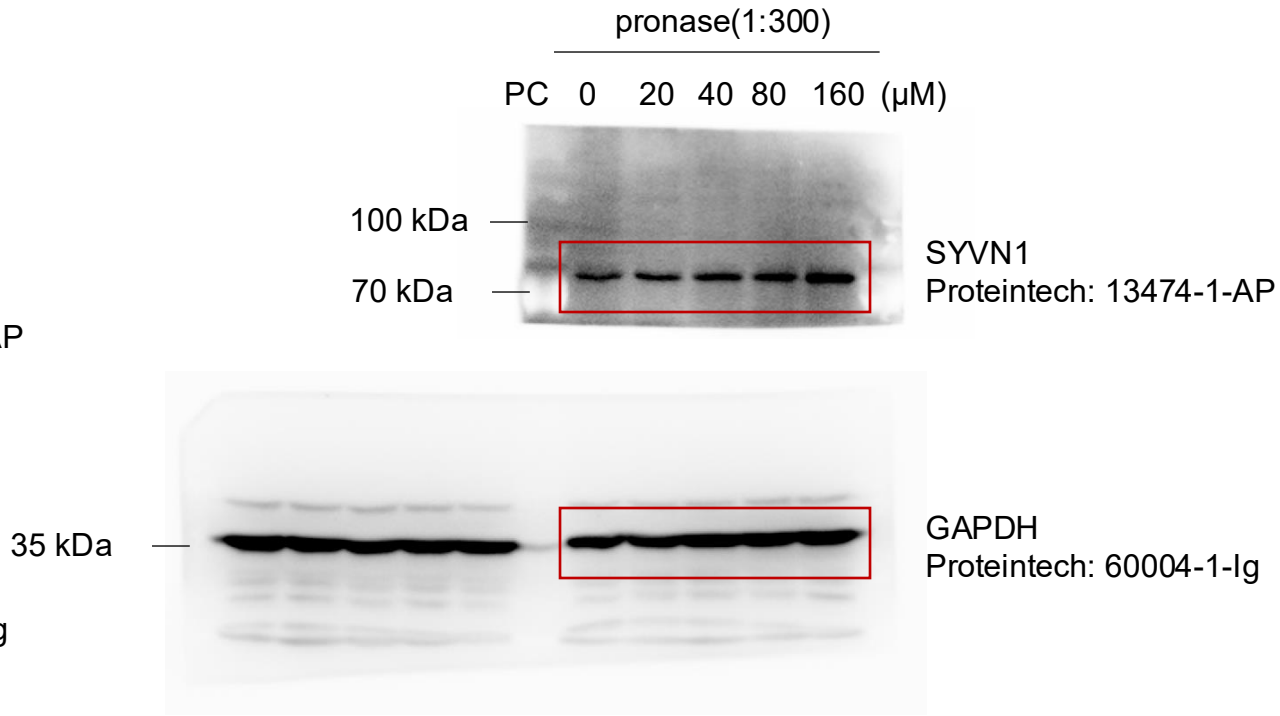


Figure 6X

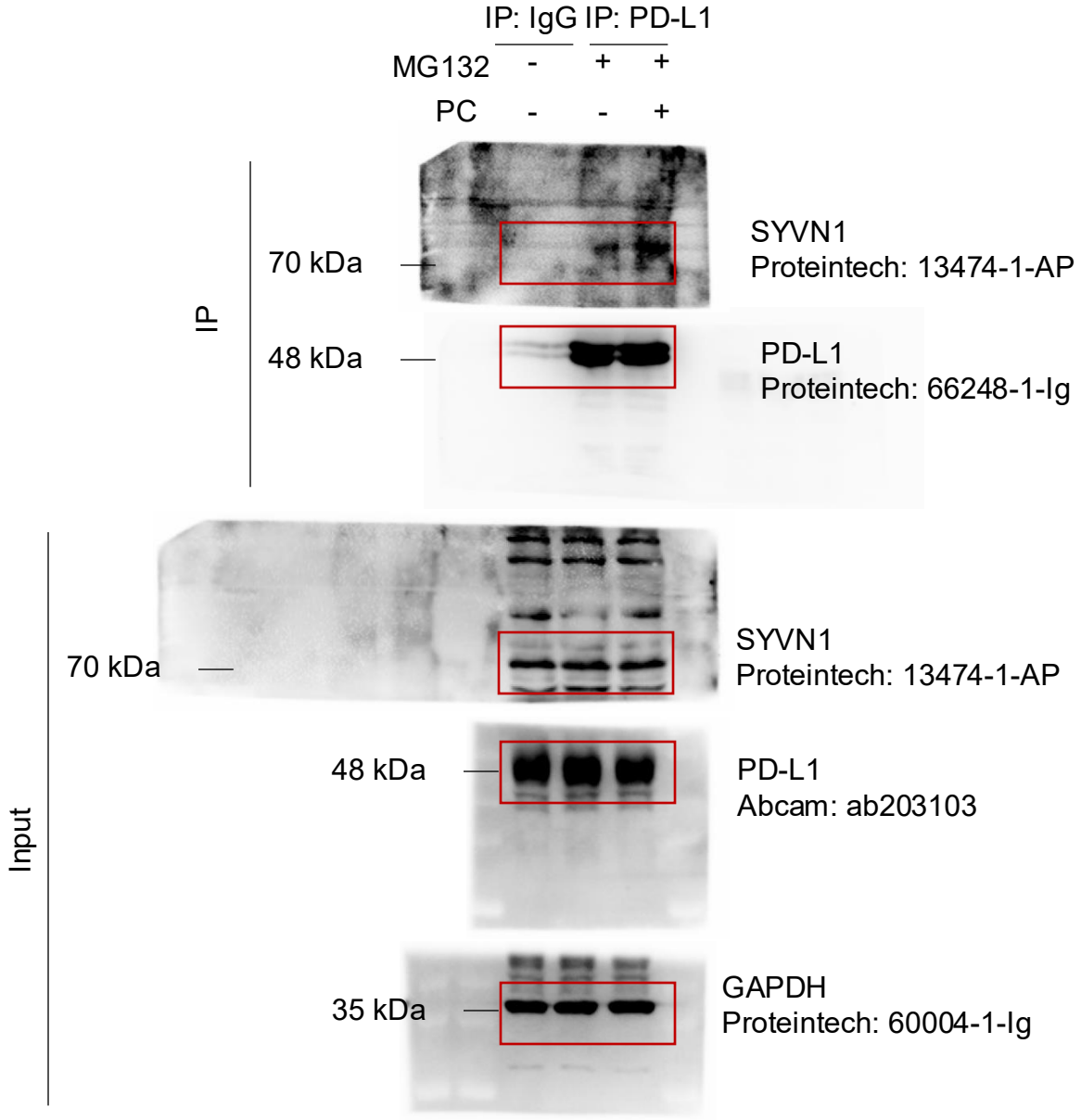


Figure 6Y

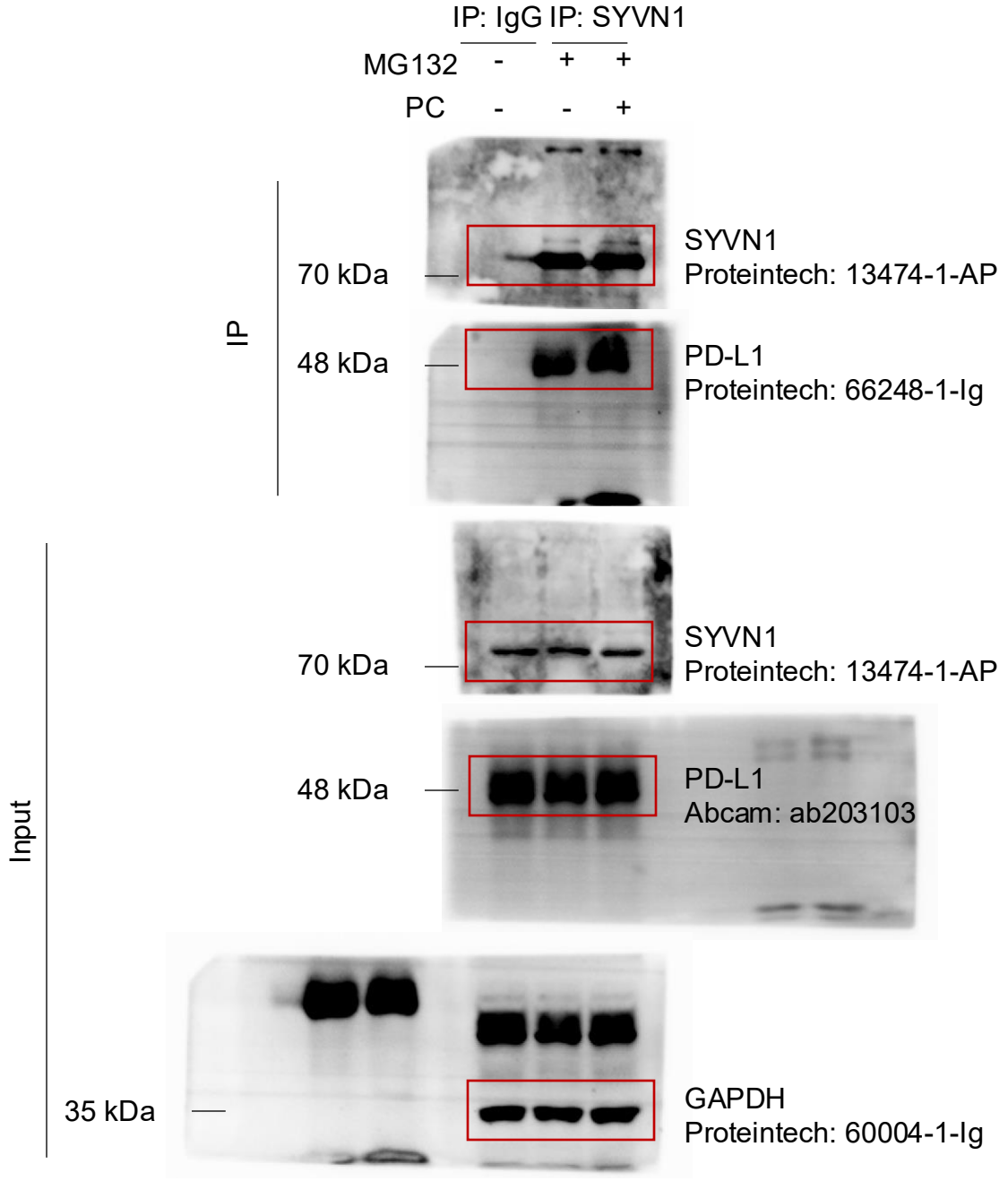


Figure 7E

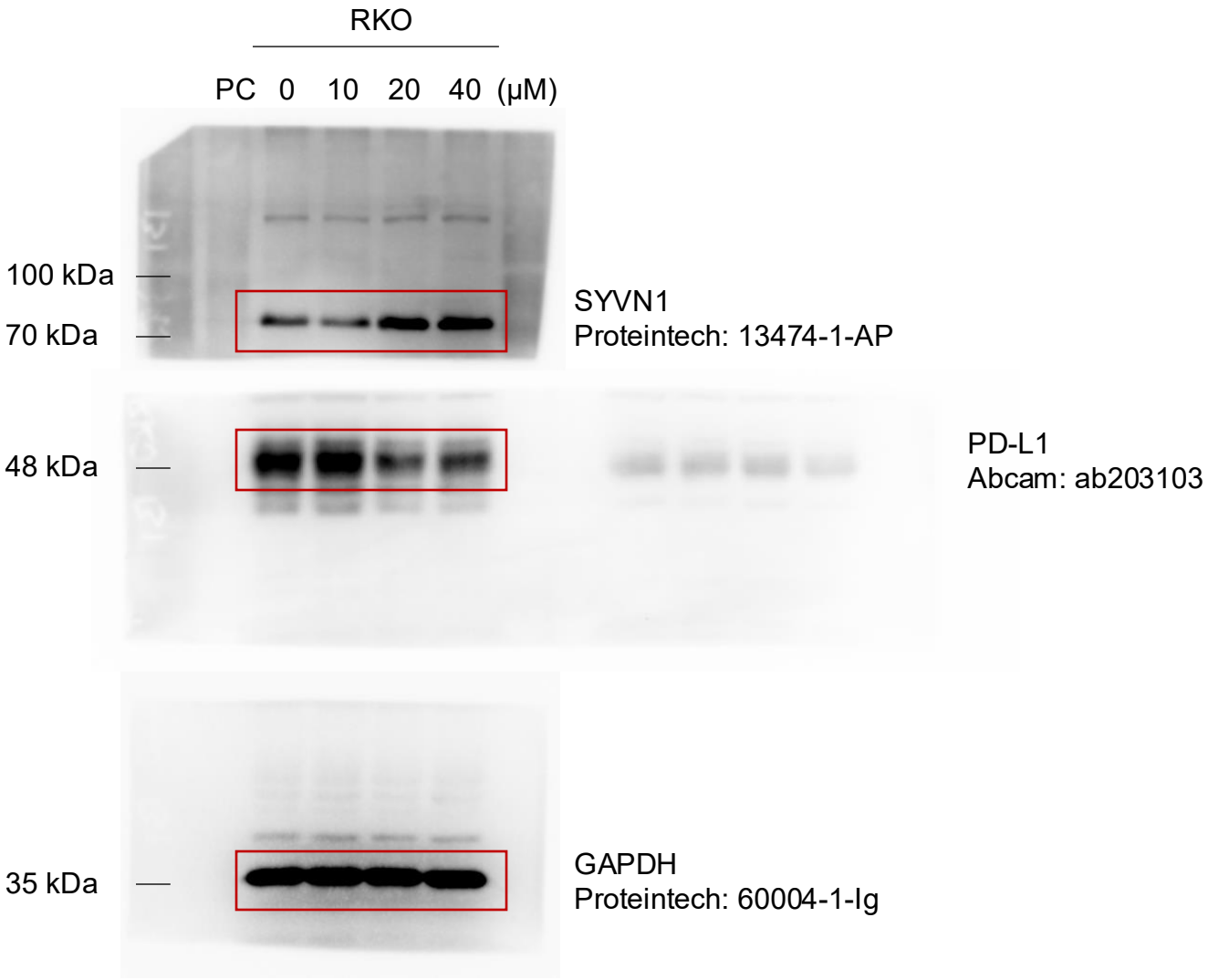


Figure 7F

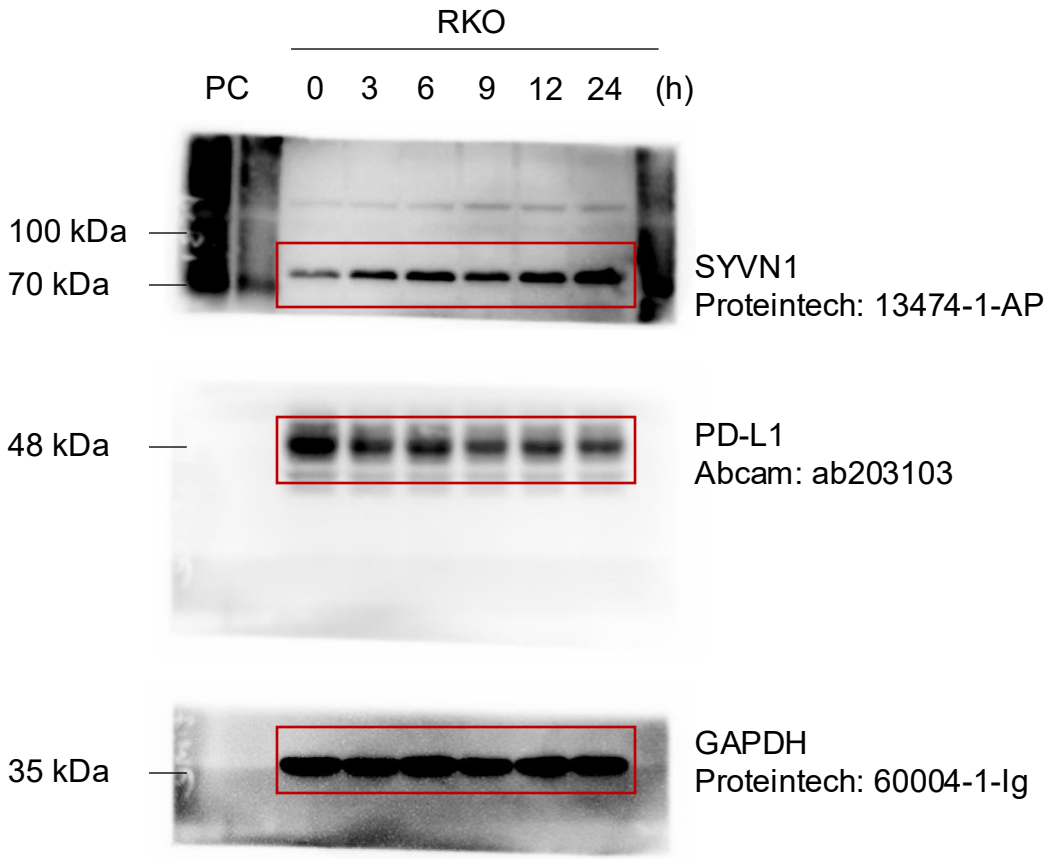


Figure 7H

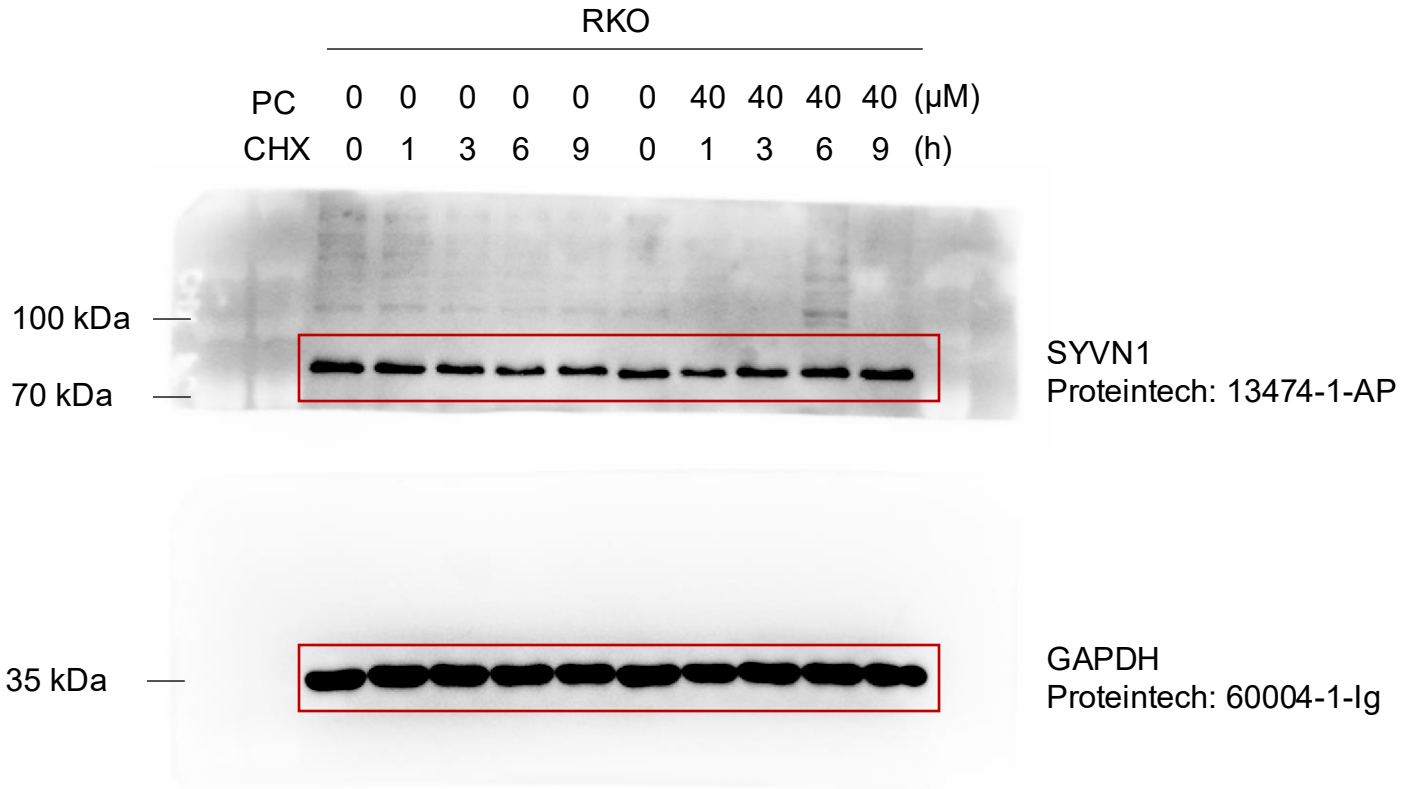
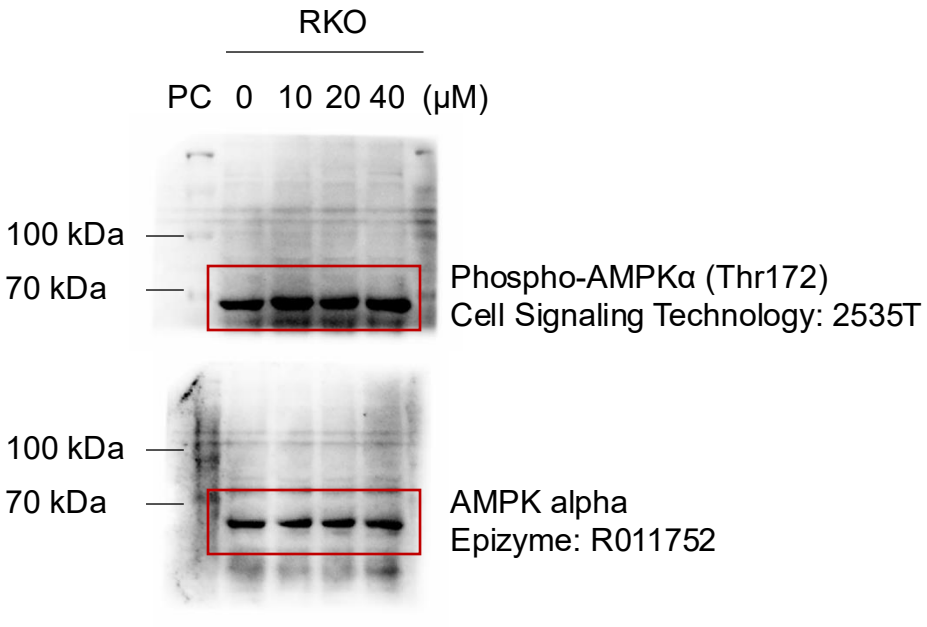

RKO
PC 0 0 0 0 0 0 40 40 40 40 (μM)
CHX 0 1 3 6 9 0 1 3 6 9 (h)
100 kDa
70 kDa
35 kDa
SYVN1
Proteintech: 13474-1-AP
GAPDH
Proteintech: 60004-1-Ig

Figure 7I


RKO
PC 0 10 20 40 (μM)
100 kDa
70 kDa
Phospho-AMPKα (Thr172)
Cell Signaling Technology: 2535T
100 kDa
70 kDa
AMPK alpha
Epizyme: R011752

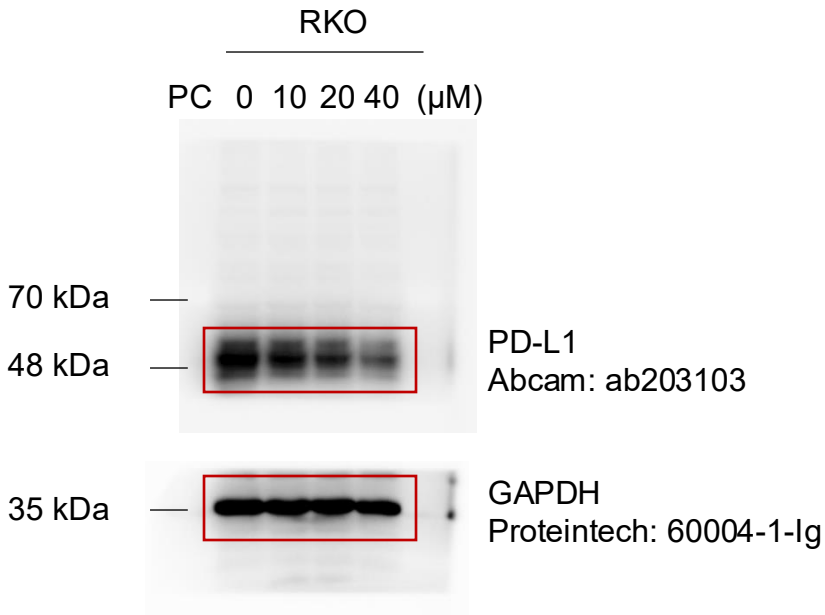
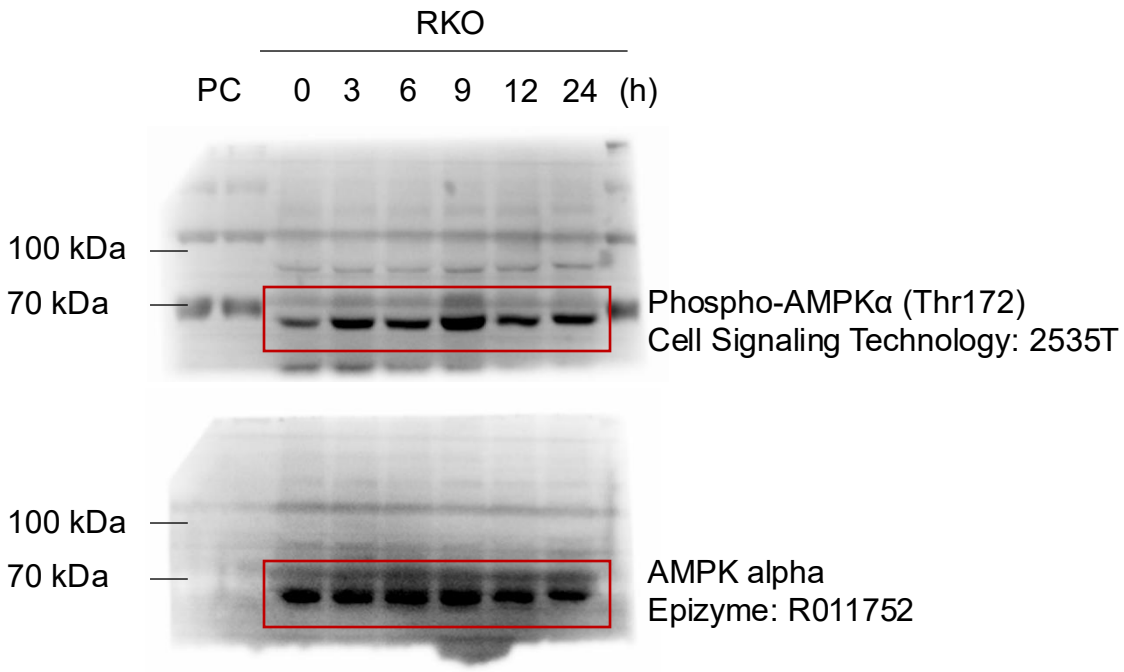

RKO
PC 0 10 20 40 (μM)
70 kDa
48 kDa
PD-L1
Abcam: ab203103
35 kDa
GAPDH
Proteintech: 60004-1-Ig

Figure 7K


RKO
PC 0 3 6 9 12 24 (h)
100 kDa
70 kDa
Phospho-AMPKα (Thr172)
Cell Signaling Technology: 2535T
100 kDa
70 kDa
AMPK alpha
Epizyme: R011752

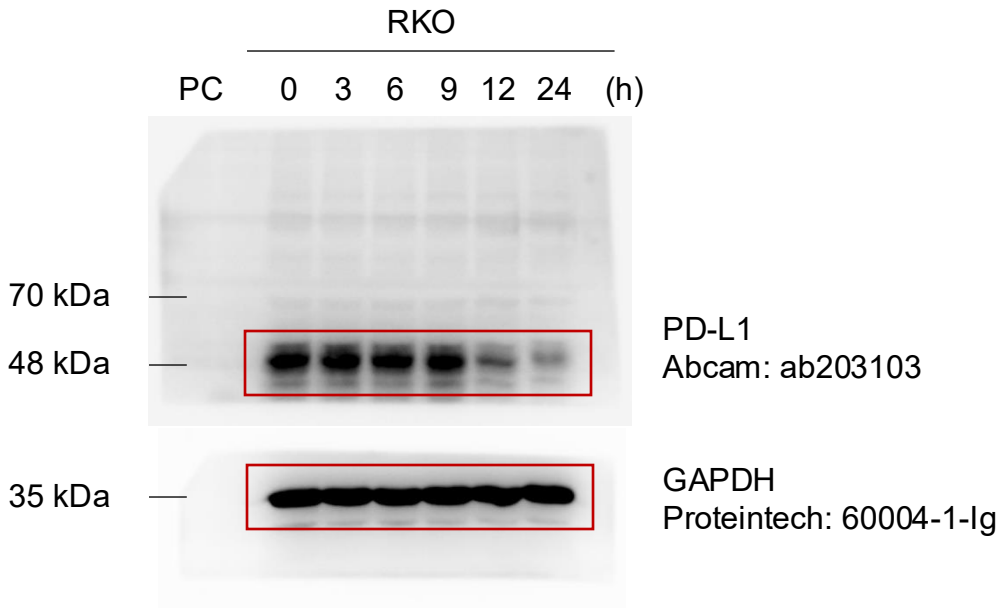

RKO
PC 0 3 6 9 12 24 (h)
70 kDa
48 kDa
PD-L1
Abcam: ab203103
35 kDa
GAPDH
Proteintech: 60004-1-Ig

Figure 7O

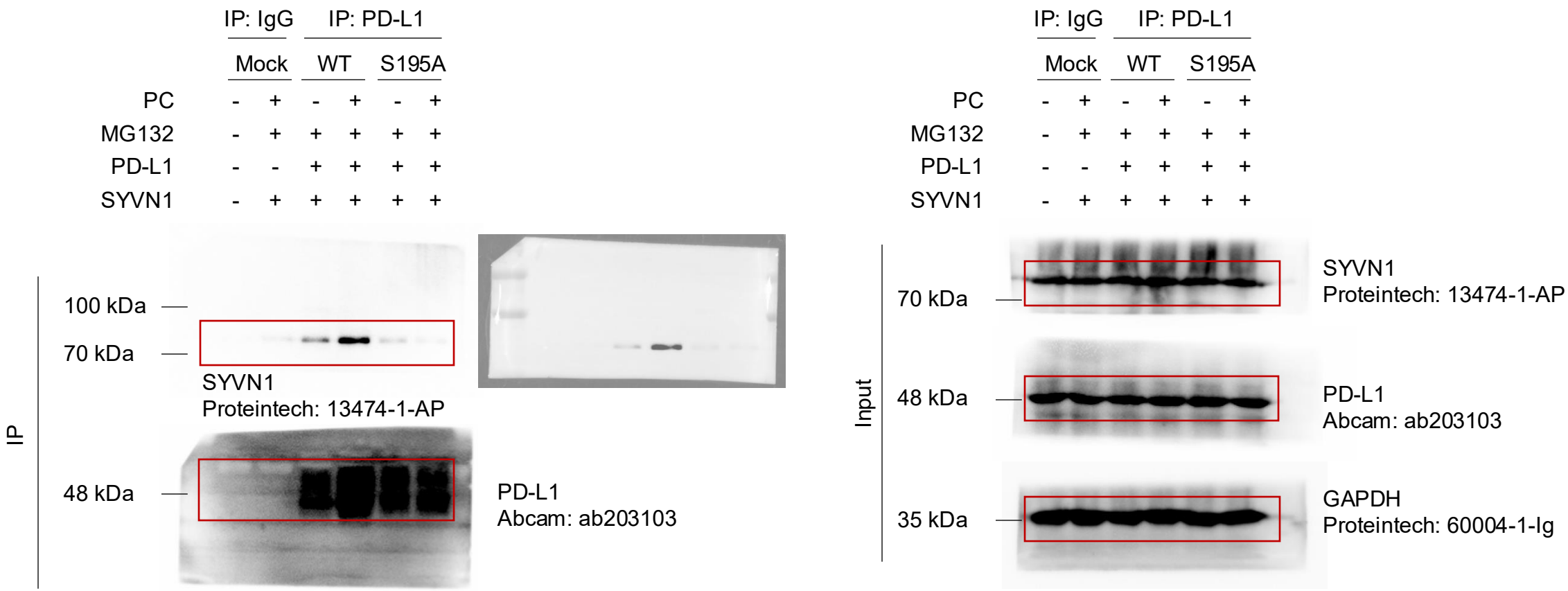

IP: IgG
IP: PD-L1
Mock
WT
S195A
PC - + - + - +
MG132 - + + + + +
PD-L1 - - + + + +
SYVN1 - + + + + +
IP
100 kDa
70 kDa
SYVN1
Proteintech: 13474-1-AP
48 kDa
PD-L1
Abcam: ab203103
Input
70 kDa
SYVN1
Proteintech: 13474-1-AP
48 kDa
PD-L1
Abcam: ab203103
35 kDa
GAPDH
Proteintech: 60004-1-Ig

Figure 7P

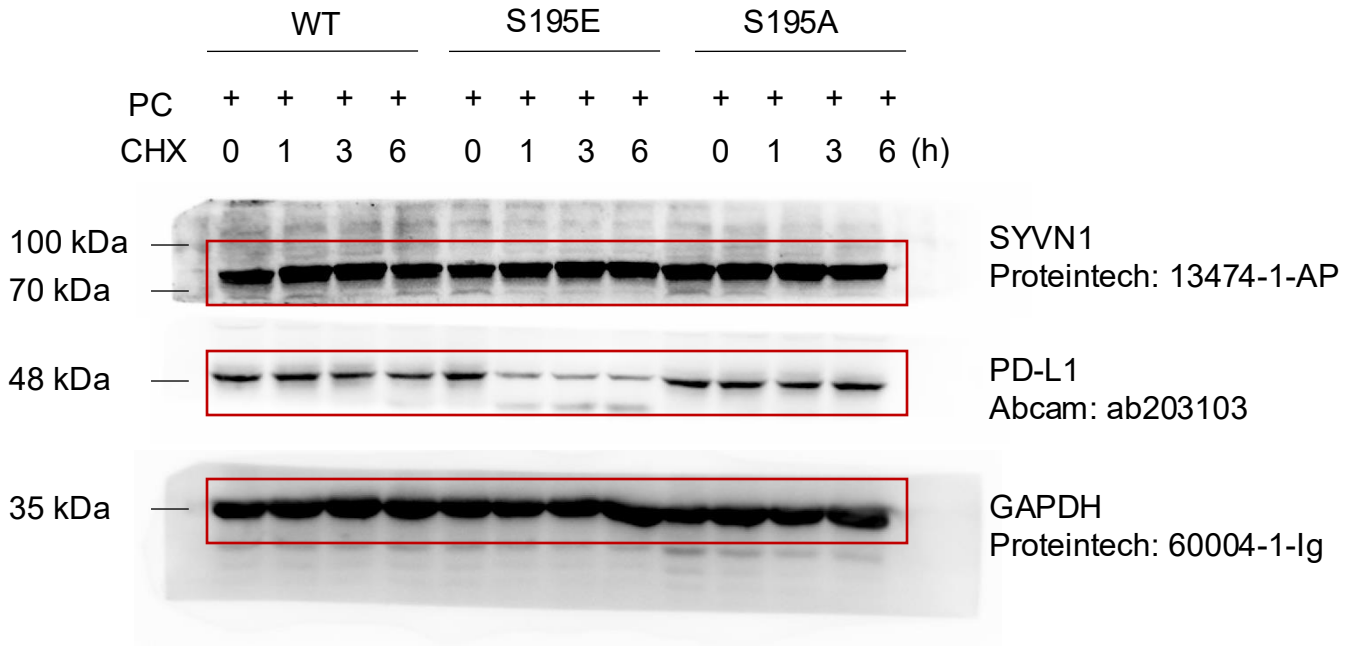

WT
S195E
S195A
PC + + + + + + + + + + + +
CHX 0 1 3 6 0 1 3 6 0 1 3 6 (h)
100 kDa
70 kDa
48 kDa
35 kDa
SYVN1
Proteintech: 13474-1-AP
PD-L1
Abcam: ab203103
GAPDH
Proteintech: 60004-1-Ig

Figure 8A

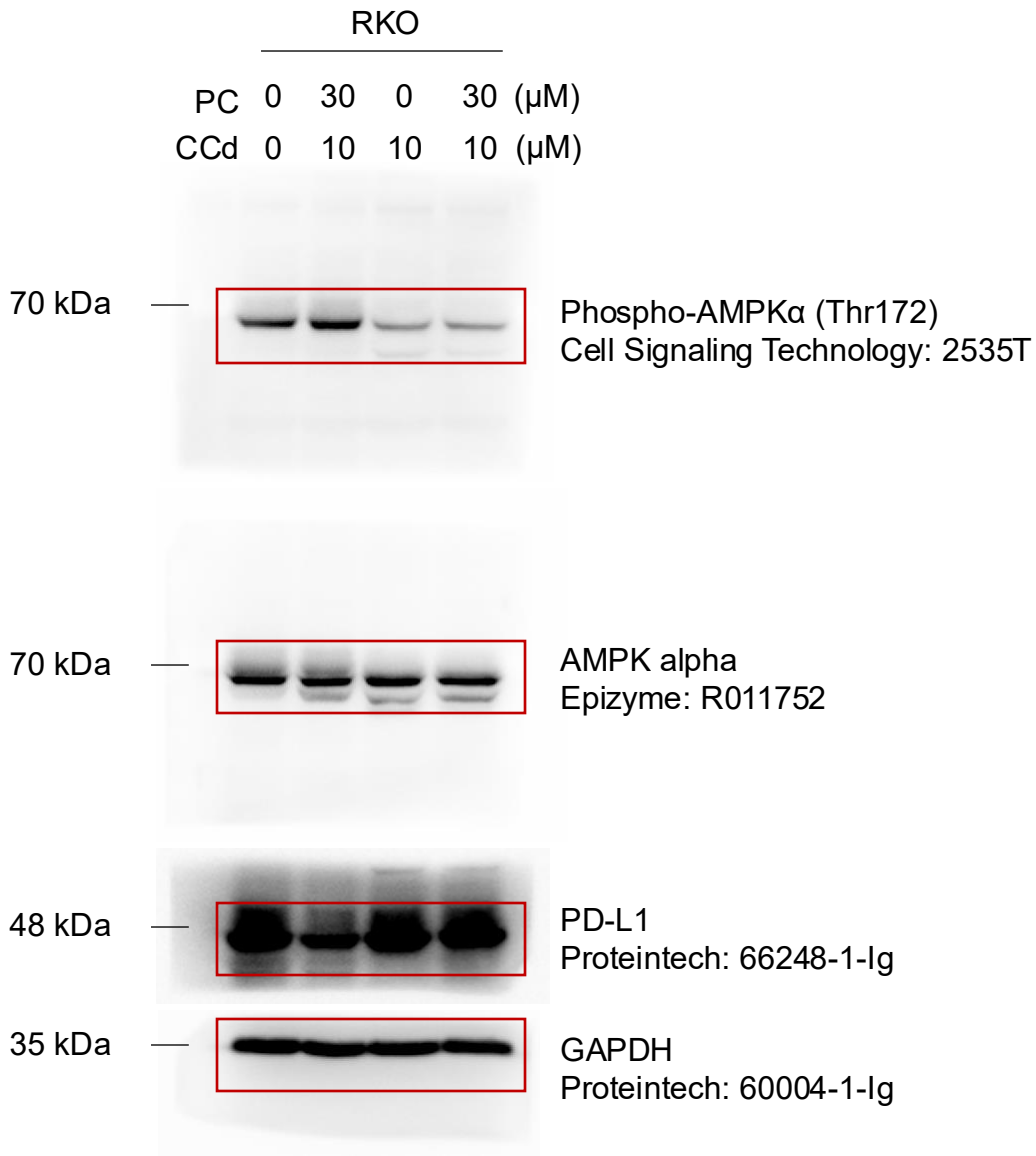

RKO
PC 0 30 0 30 (μM)
CCd 0 10 10 10 (μM)
70 kDa
Phospho-AMPKα (Thr172)
Cell Signaling Technology: 2535T
70 kDa
AMPK alpha
Epizyme: R011752
48 kDa
PD-L1
Proteintech: 66248-1-Ig
35 kDa
GAPDH
Proteintech: 60004-1-Ig

Figure 8B

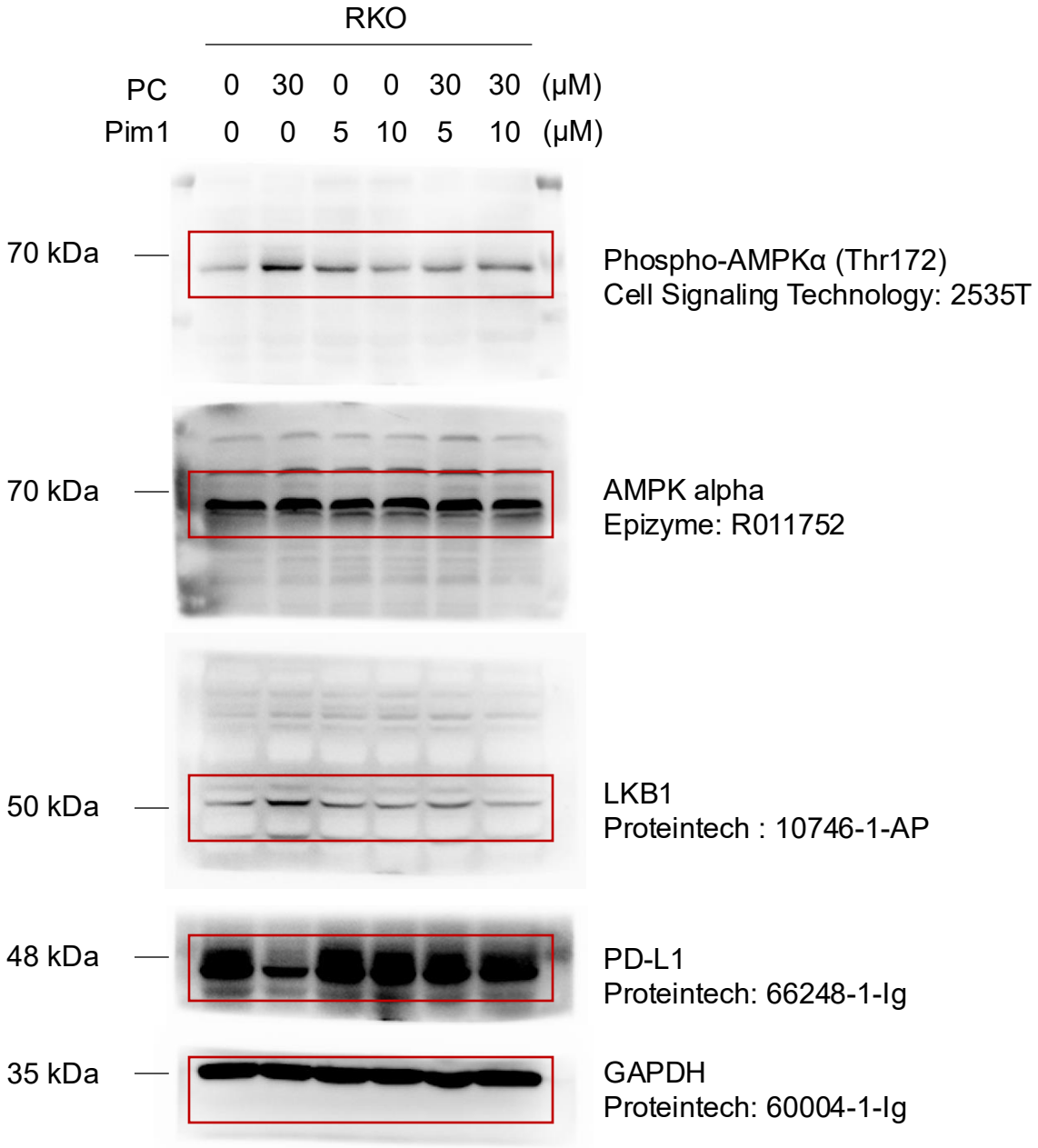

RKO
PC 0 30 0 0 30 30 (μM)
Pim1 0 0 5 10 5 10 (μM)
70 kDa
Phospho-AMPKα (Thr172)
Cell Signaling Technology: 2535T
70 kDa
AMPK alpha
Epizyme: R011752
50 kDa
LKB1
Proteintech : 10746-1-AP
48 kDa
PD-L1
Proteintech: 66248-1-Ig
35 kDa
GAPDH
Proteintech: 60004-1-Ig

Figure 8C

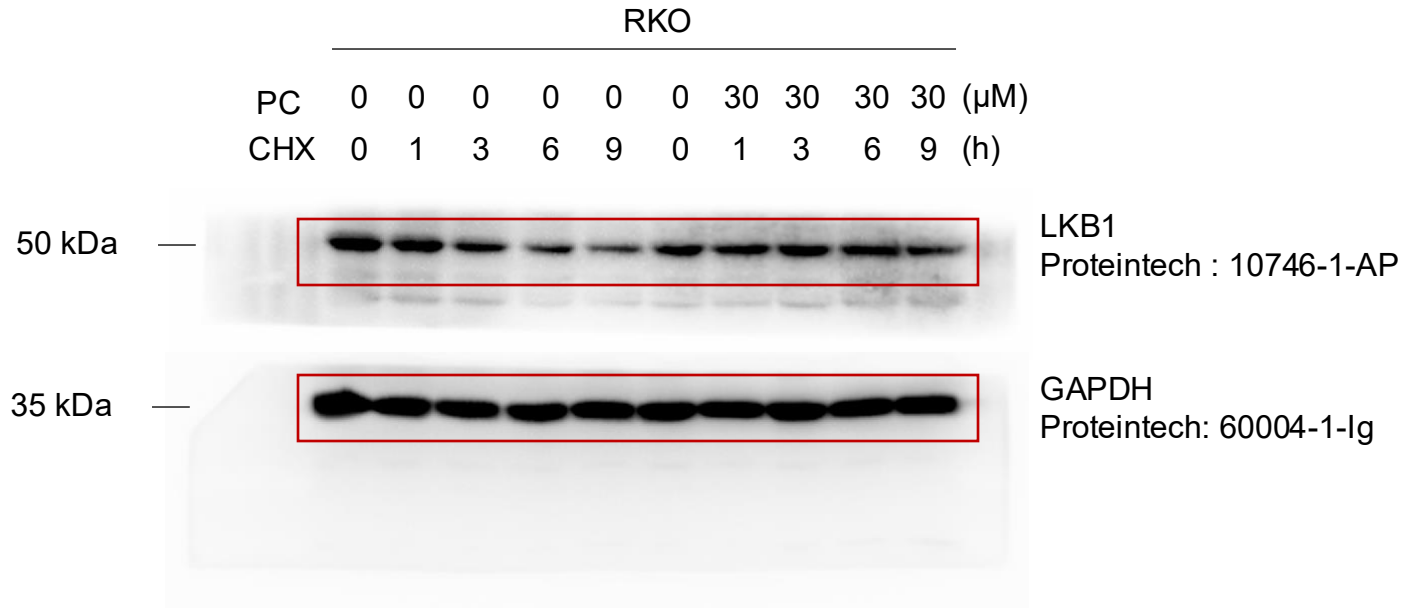

RKO
PC 0 0 0 0 0 0 30 30 30 30 (μM)
CHX 0 1 3 6 9 0 1 3 6 9 (h)
50 kDa
35 kDa
LKB1
Proteintech : 10746-1-AP
GAPDH
Proteintech: 60004-1-Ig

Figure 8E

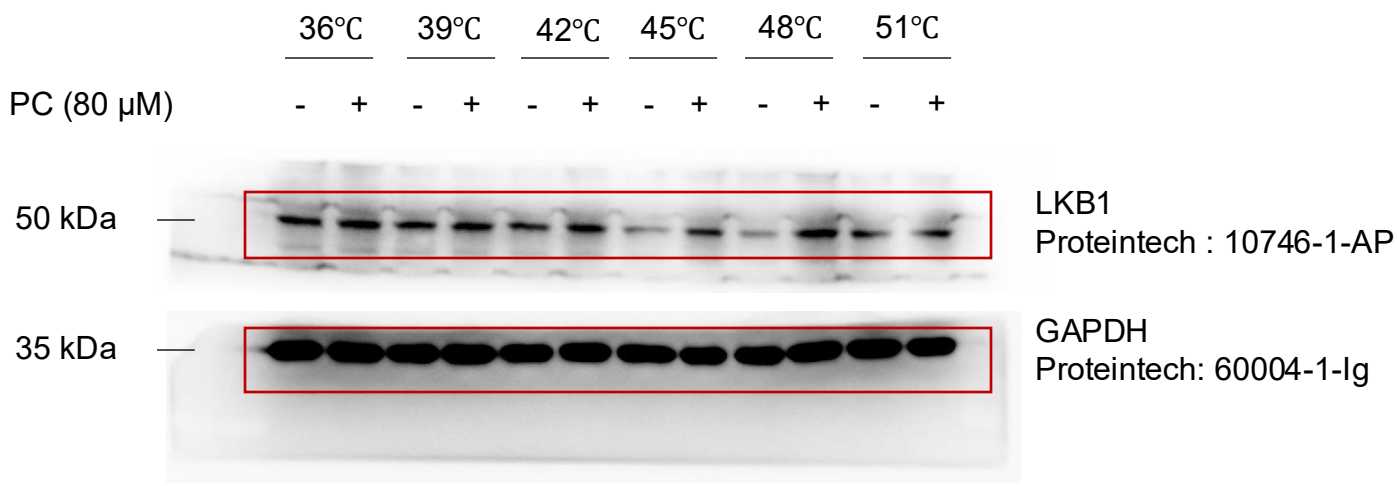

36℃
39℃
42℃
45℃
48℃
51℃
PC (80 μM)
- + - + - + - + - + - +
50 kDa
35 kDa
LKB1
Proteintech : 10746-1-AP
GAPDH
Proteintech: 60004-1-Ig

Figure 8F

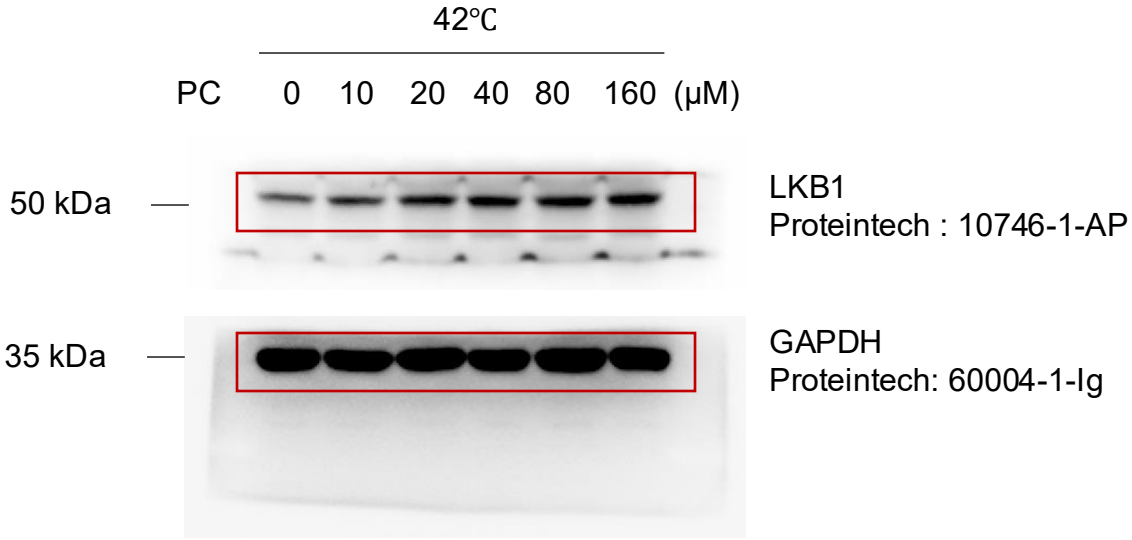


Figure 8H

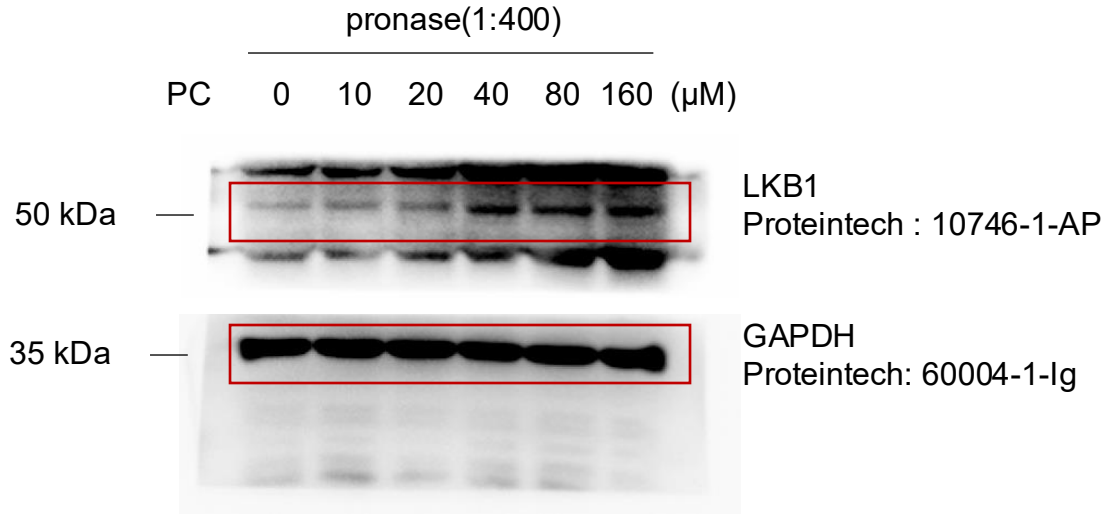


Figure S2L

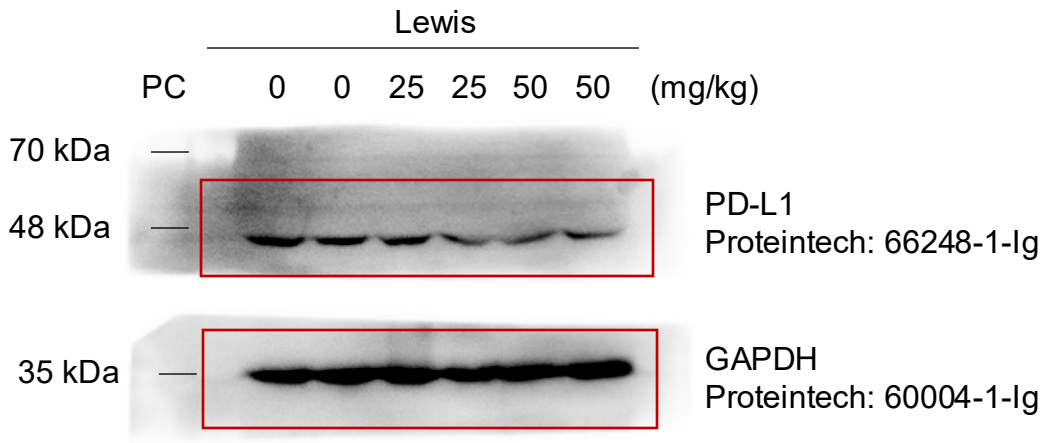

Lewis
PC
0
0
25
25
50
50
(mg/kg)
70 kDa
48 kDa
PD-L1
Proteintech: 66248-1-Ig
35 kDa
GAPDH
Proteintech: 60004-1-Ig

Figure S8B

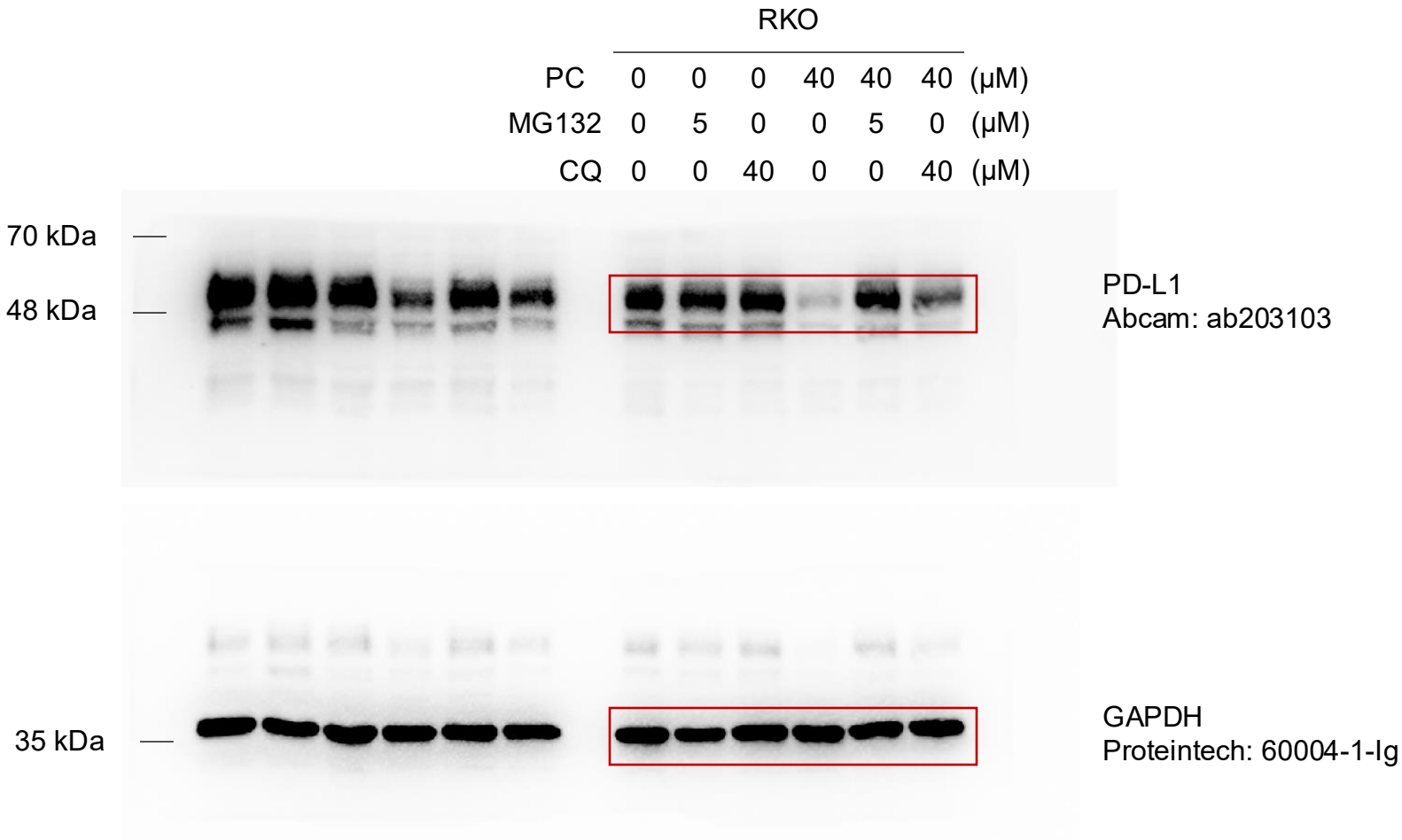

RKO
PC 0 0 0 40 40 40 (μM)
MG132 0 5 0 0 5 0 (μM)
CQ 0 0 40 0 0 40 (μM)
70 kDa
48 kDa
PD-L1
Abcam: ab203103
35 kDa
GAPDH
Proteintech: 60004-1-Ig

Figure S7C

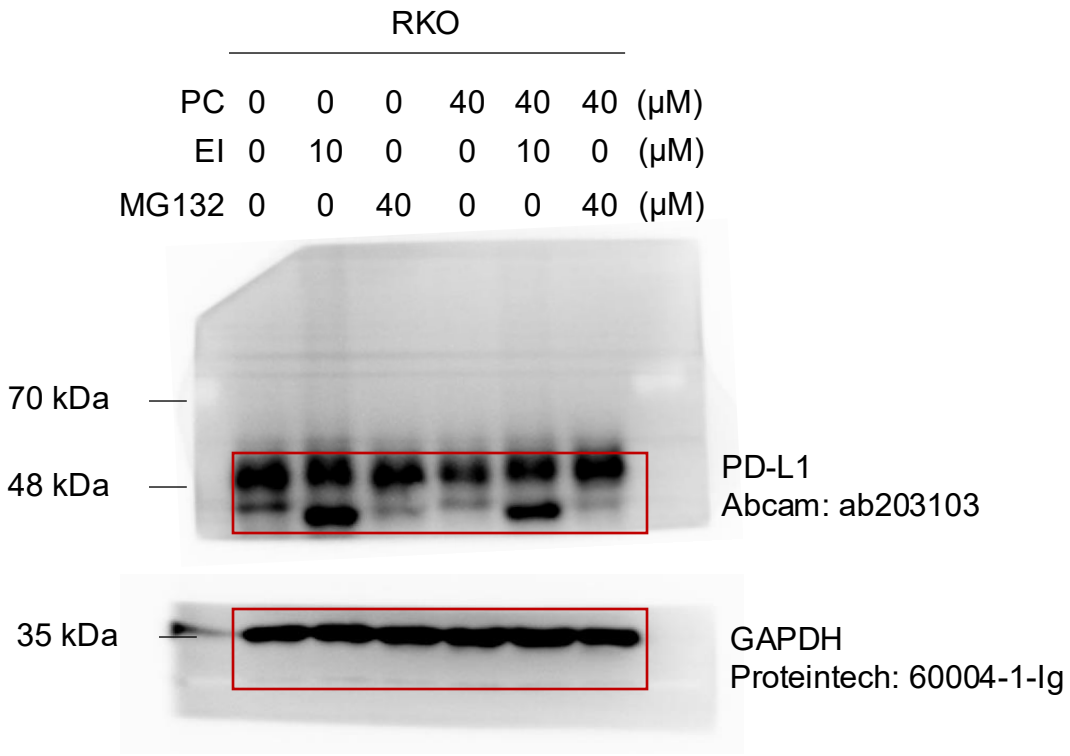

RKO
PC 0 0 0 40 40 40 (μM)
EI 0 10 0 0 10 0 (μM)
MG132 0 0 40 0 0 40 (μM)
70 kDa
48 kDa
PD-L1
Abcam: ab203103
35 kDa
GAPDH
Proteintech: 60004-1-Ig

Figure S9A

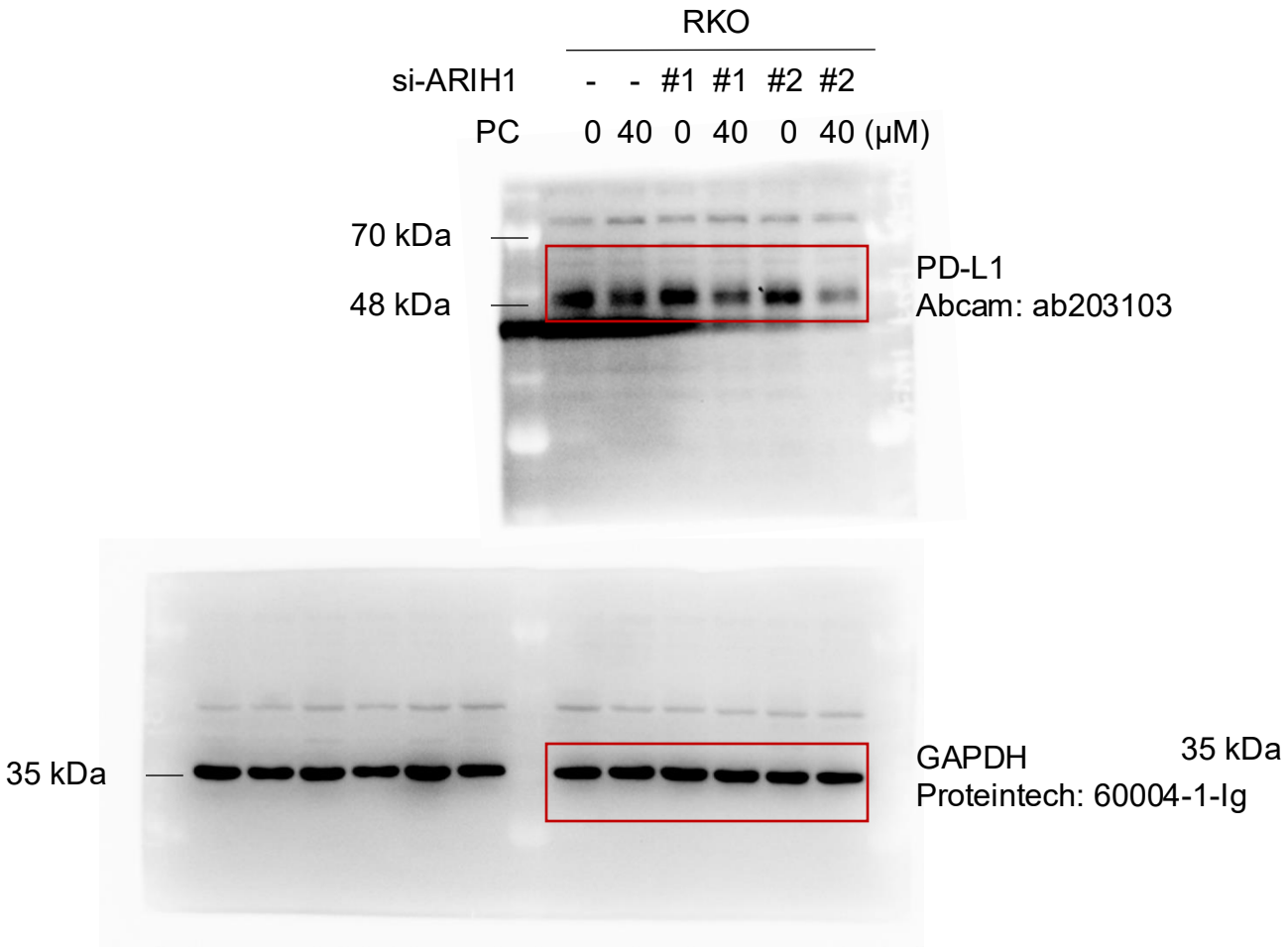


Figure S9B

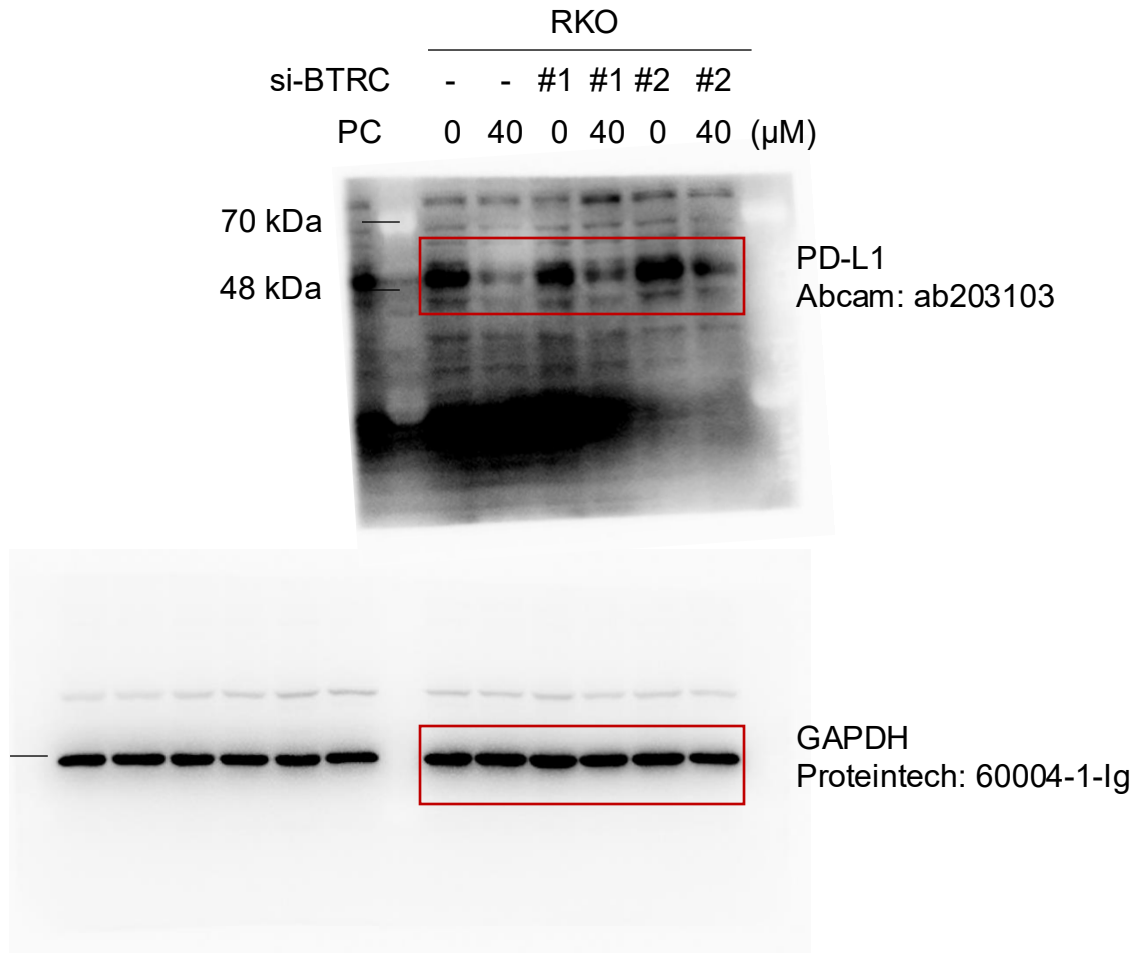


Figure S9C

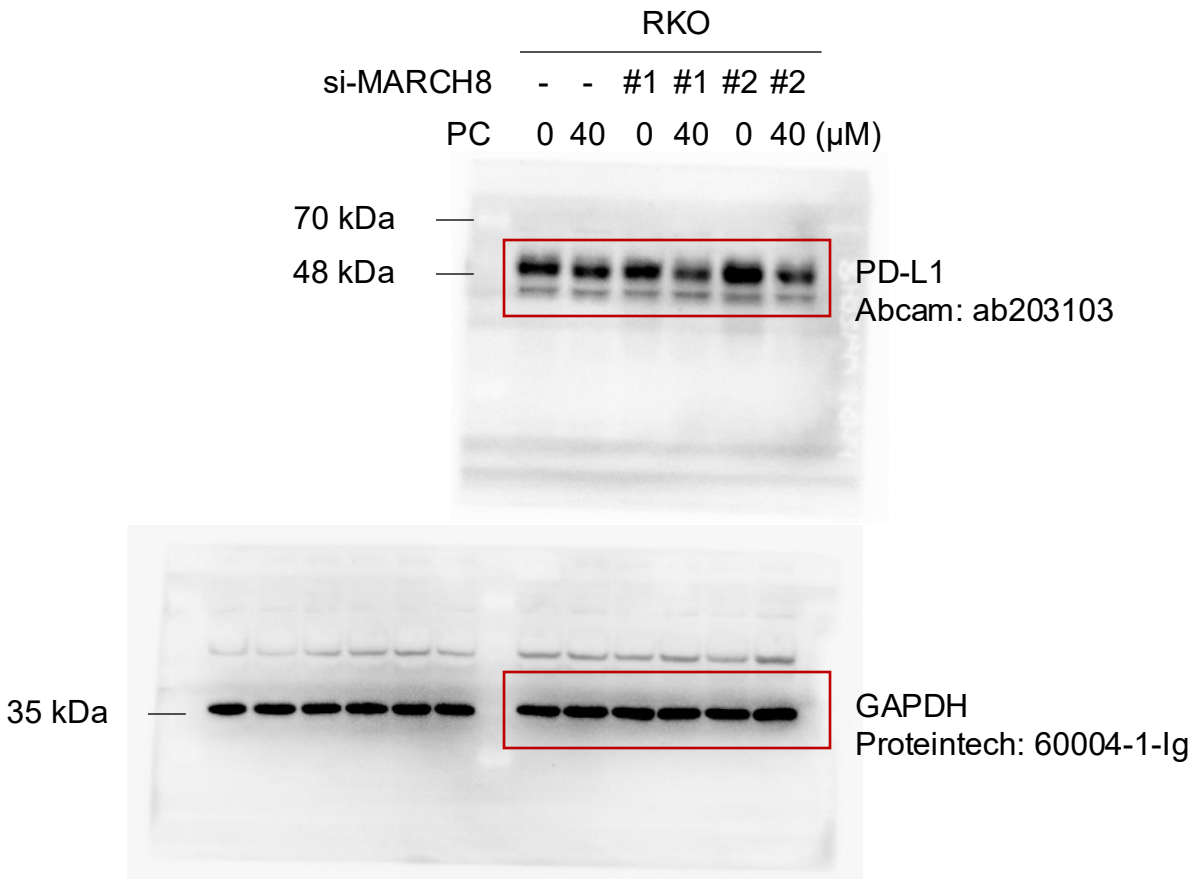


Figure S9D

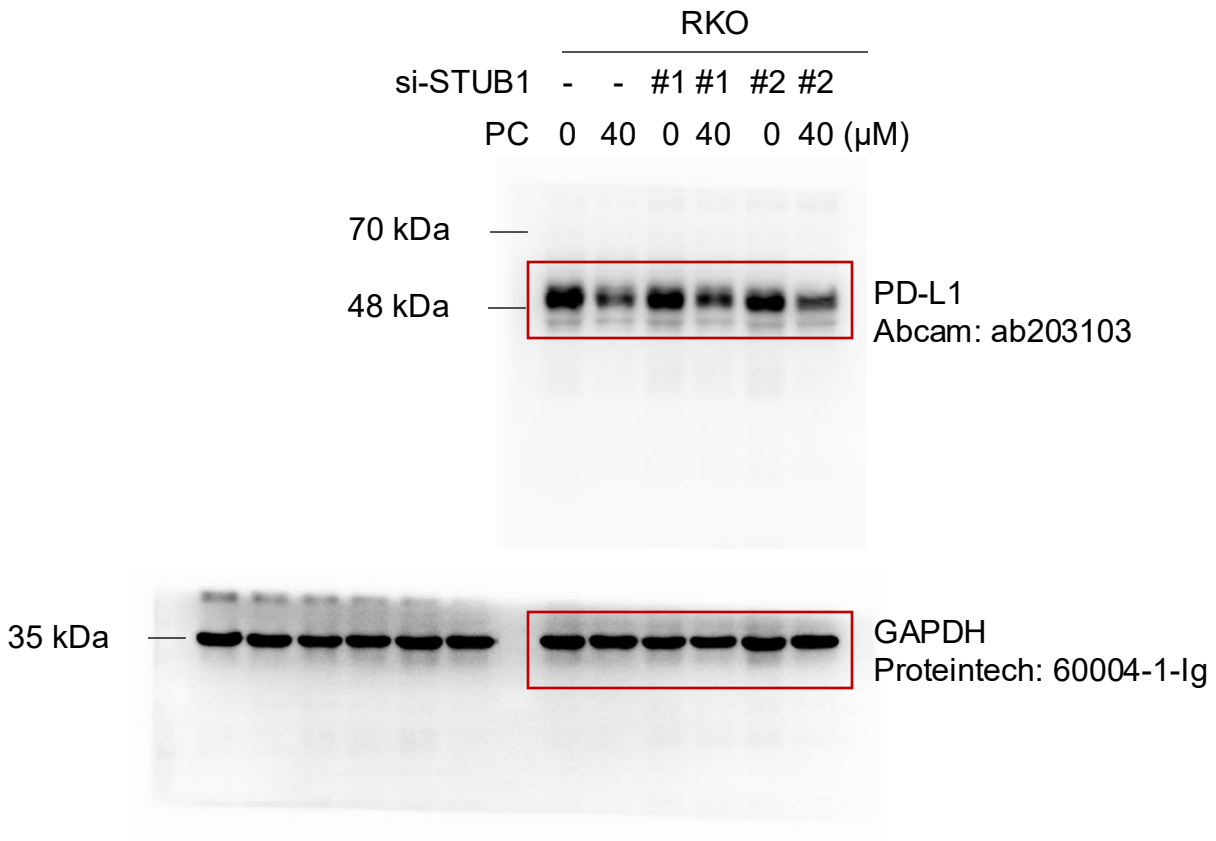


Figure S9E

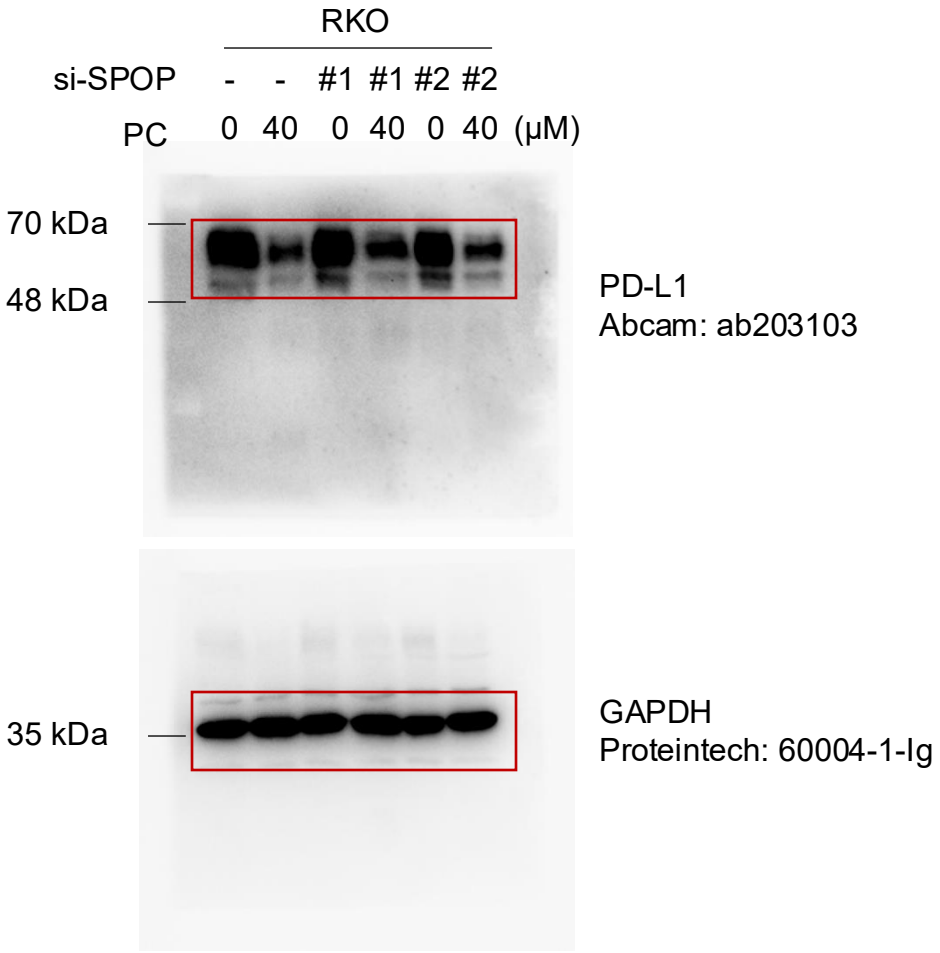
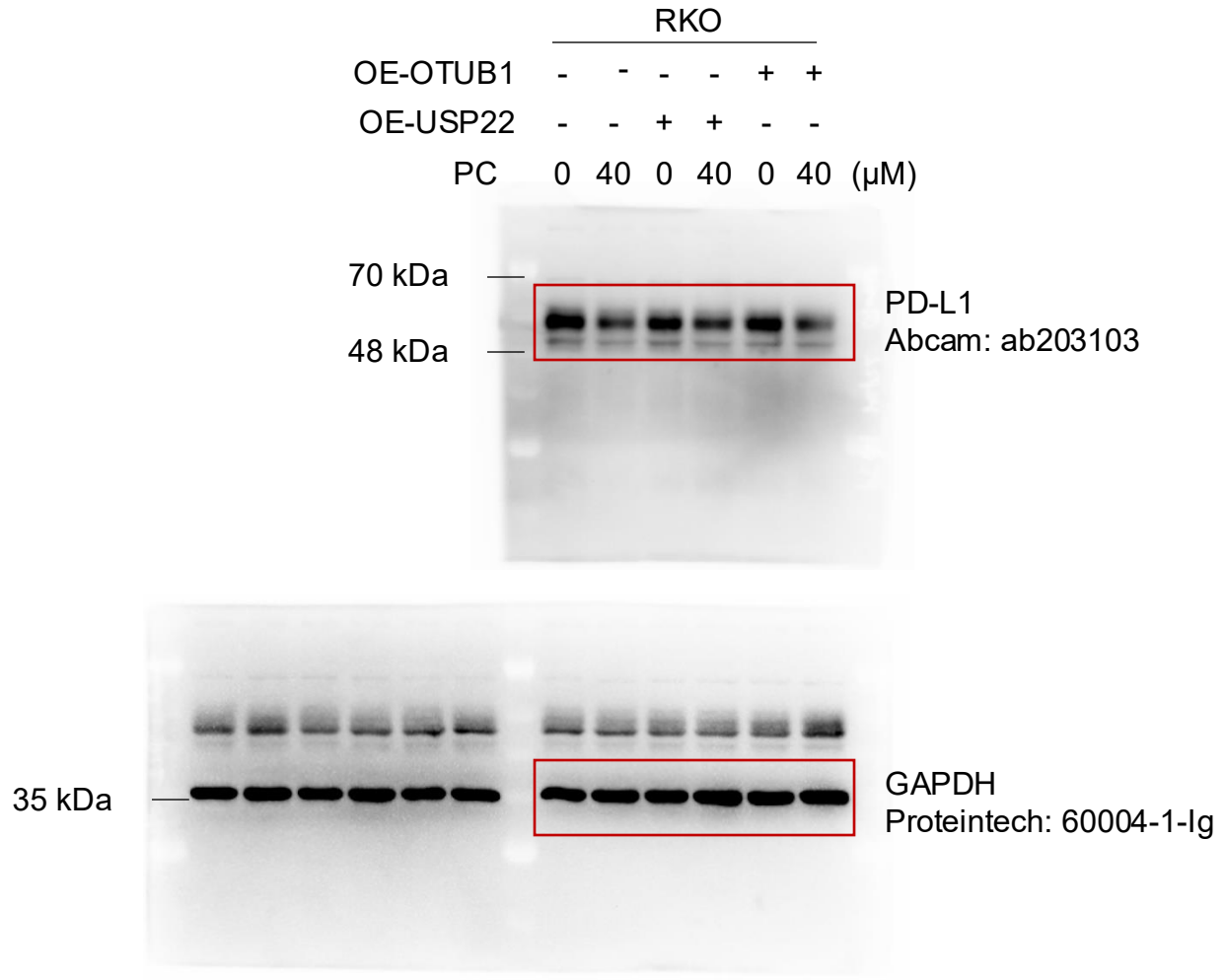



Figure S9F