

Identification of isoform switching events linked with esophageal adenocarcinoma patient survival informs novel prognostic and therapeutic targets

Yun Zhang, David A. Ntsiful, Rachel Israel, Bryce Vandenburg, Shari Barnett, Jean-Jack Riethoven, Jennifer L. Clarke, Kiran H. Lagisetty, Jules Lin, Rishindra M. Reddy, Andrew C. Chang, David D. Odell, Analisa DiFeo, Maureen A. Sartor, and Laura A. Kresty

Original western blot images for data presented in the manuscript:

Figure 3 – Panels D and E

Figure 4 – Panels A-D and F-G

Figure 5 – Panels D and E

Figure 6 – Panels A-B and D-E

Figure 7 – Panels C and D

Figure 3D-E.

TTLL12

Novus

Catalog #NBP2-02216

1:1000

GAPDH

Santa Cruz

Catalog #sc-32233

1:30000

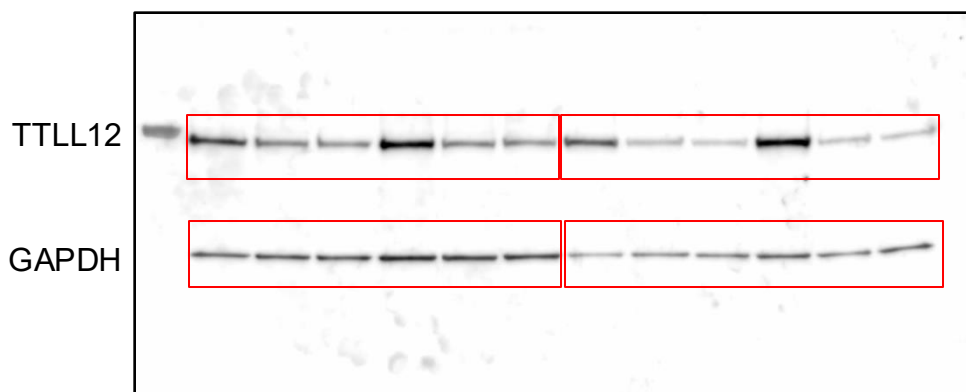


Figure 4A.
LAMP2A
Abcam
Catalog #18528
1:1000

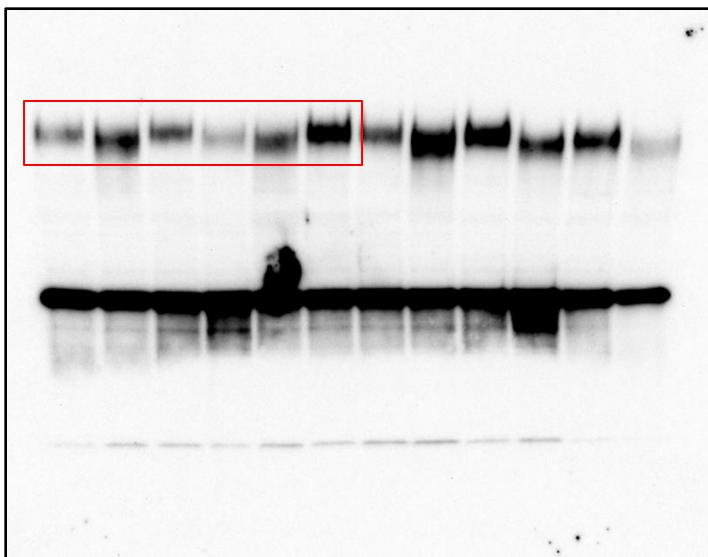


Figure 4A.
HSC70
Invitrogen
Catalog #PA5-27337
1:1000

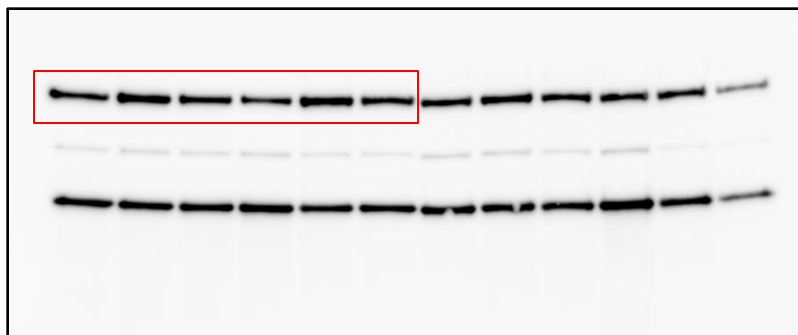


Figure 4A.
LC3
CST
Catalog #4108
1:1000

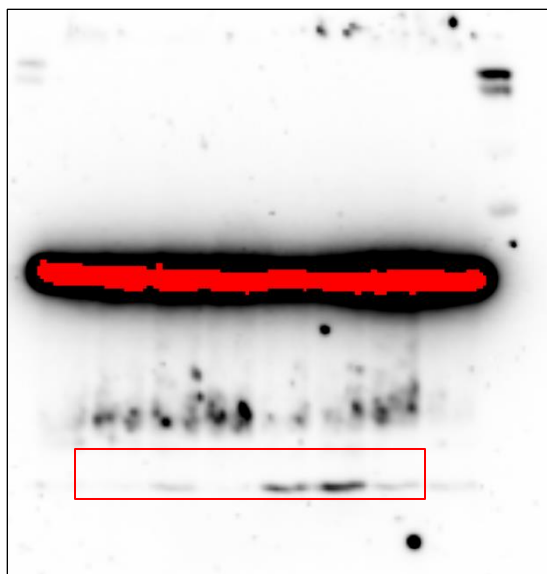


Figure 4A.
GAPDH
Cell Signaling
Catalog #2118
1:30000

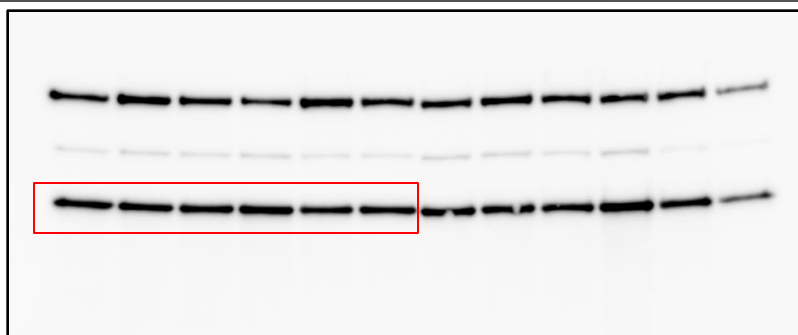


Figure 4B.
LAMP2A
Abcam
Catalog #18528
1:1000

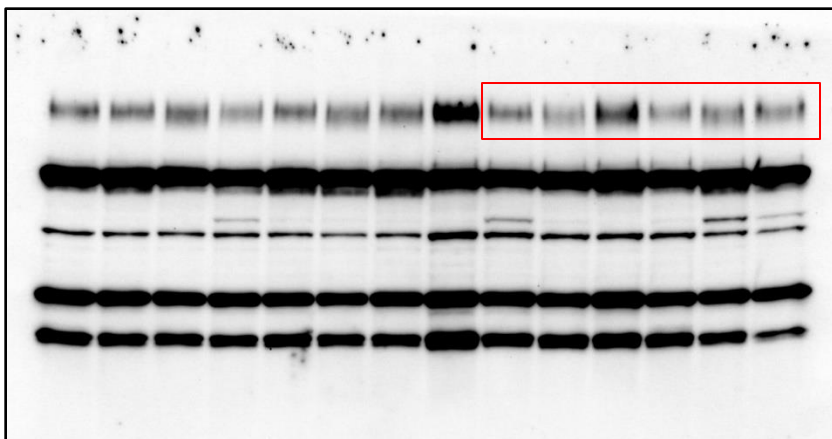


Figure 4B.
HSC70
Invitrogen
Catalog #PA5-27337
1:1000

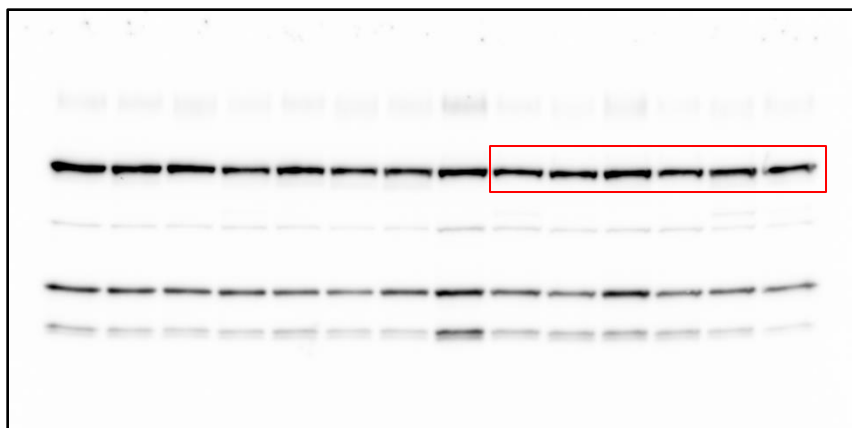


Figure 4B.
LC3
Cell Signaling
Catalog #4108
1:1000

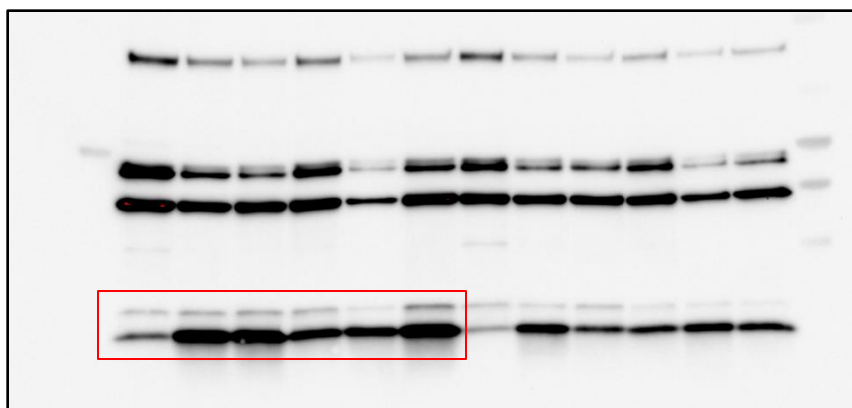


Figure 4B.
GAPDH
Cell Signaling
Catalog #2118
1:30000

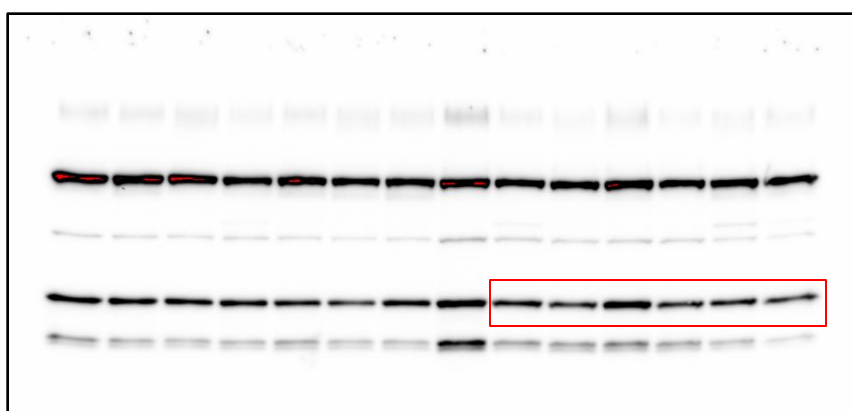


Figure 4C.
CHK1
Cell Signaling
Catalog #2360
1:1000

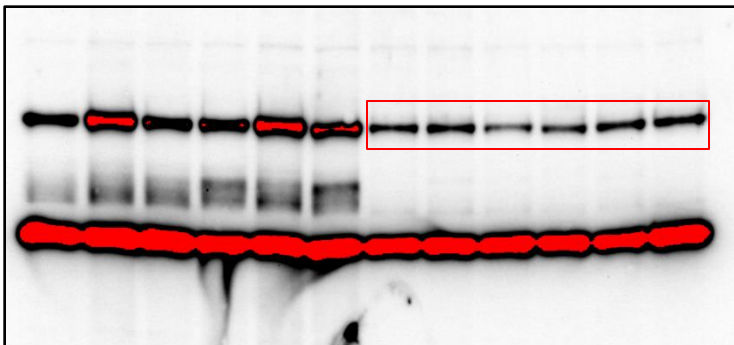


Figure 4C.
p-CHK1
Cell Signaling
Catalog #2348
1:1000

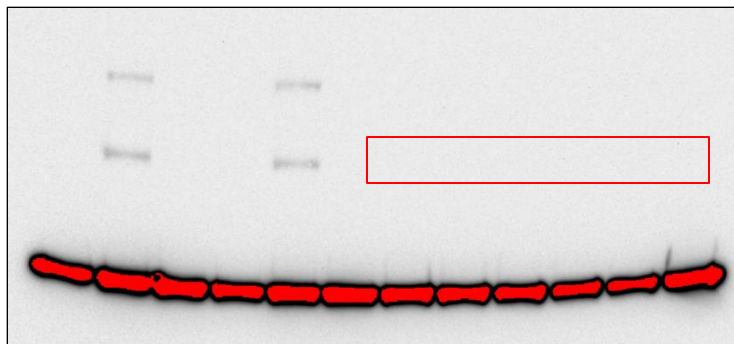


Figure 4C.
TP53
Millipore Sigma
Catalog #OP43
1:1000

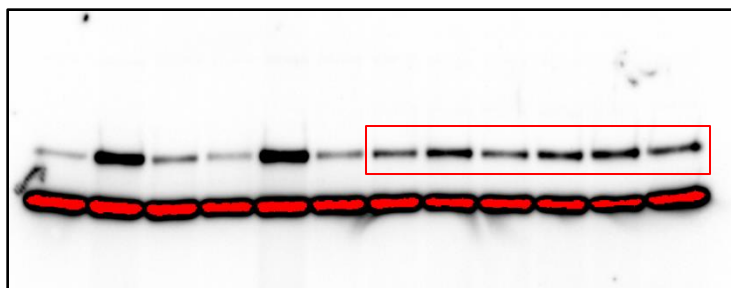


Figure 4C.
GAPDH
Santa Cruz
Catalog #sc-32233
1:25000

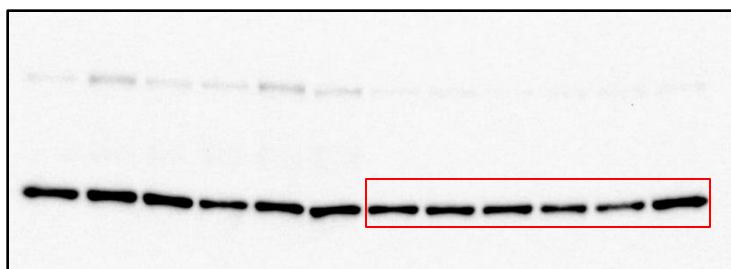


Figure 4D.
CHK1
Cell Signaling
Catalog #2360
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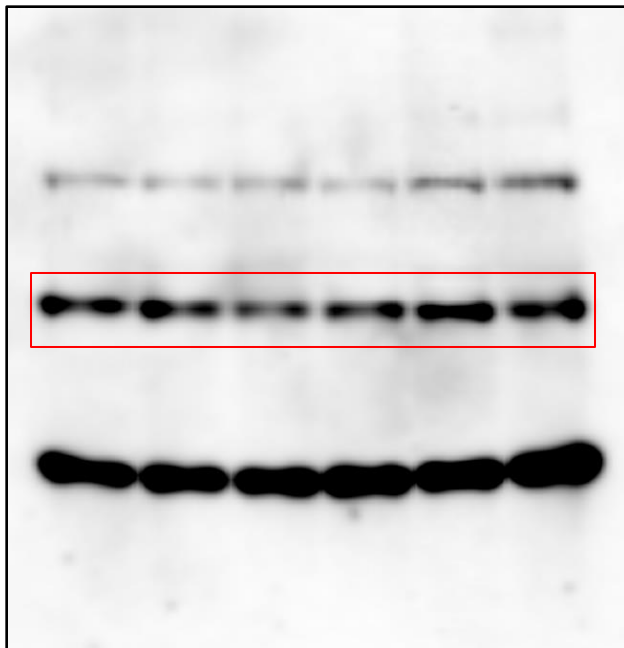


Figure 4D.
p-CHK1
Cell Signaling
Catalog #2348
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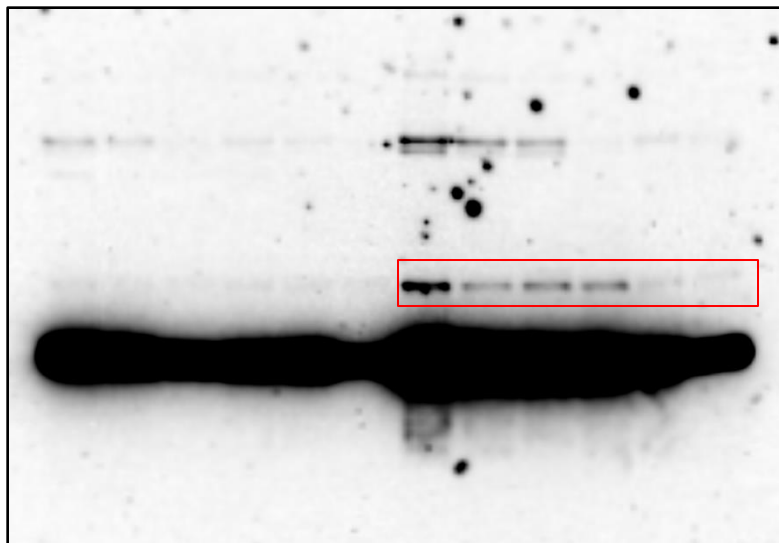


Figure 4D.
TP53
Milipore Sigma
Catalog #OP43
1:1000

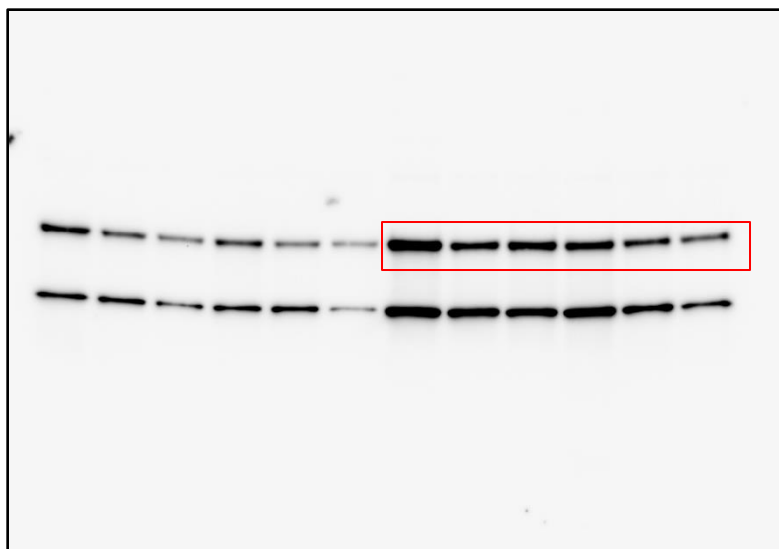


Figure 4D.
GAPDH
Santa Cruz
Catalog #sc-32233
1:25000

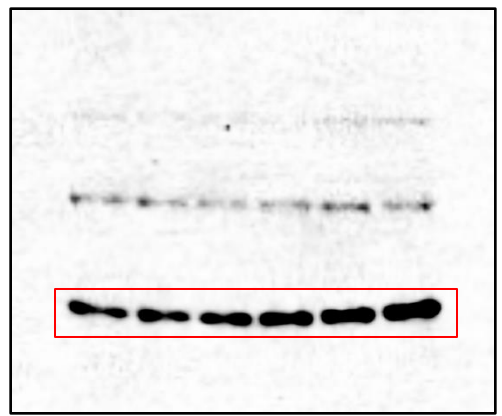


Figure 4F.
LAMP2A
Abcam
Catalog #18528
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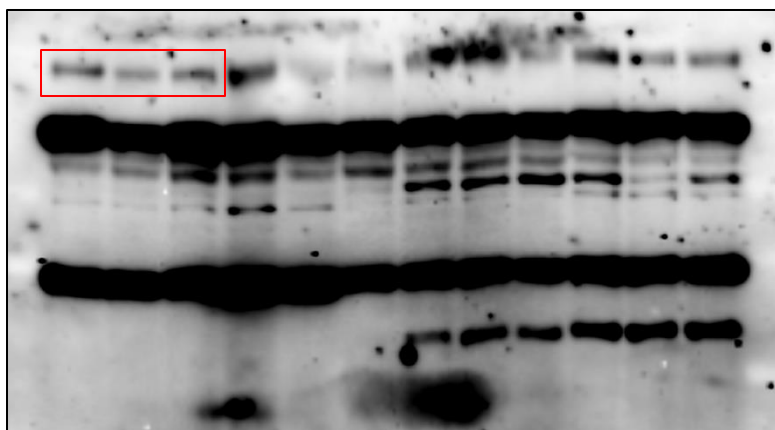


Figure 4F.
HSC70
Invitrogen
Catalog #PA5-27337
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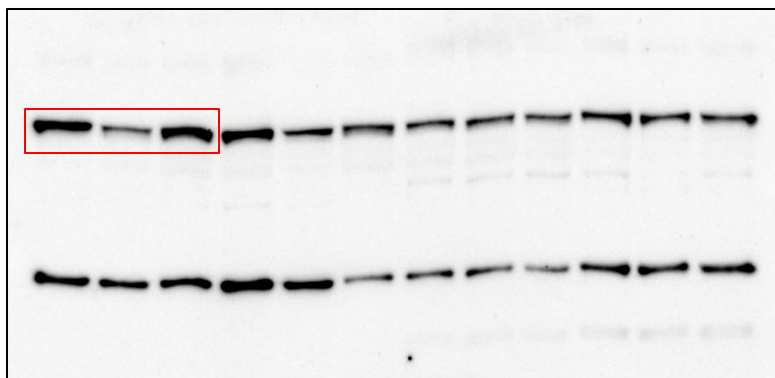


Figure 4F.
CHK1
Cell Signaling
Catalog #2360
1:1000

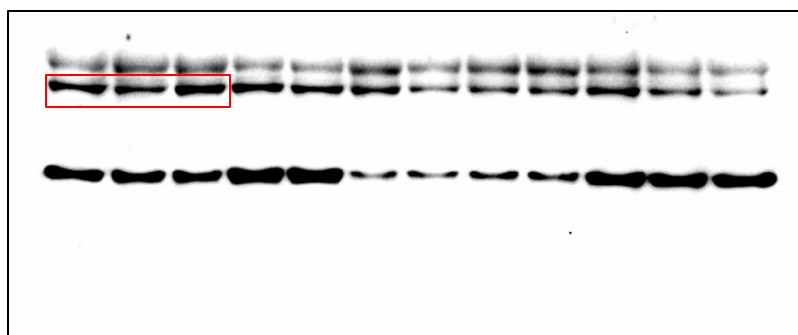


Figure 4F.
p-CHK1
Cell Signaling
Catalog #2348
1:1000

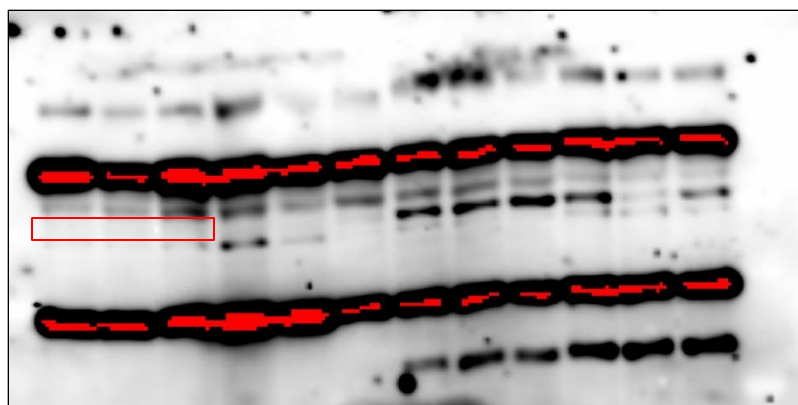


Figure 4F.
TP53
Millipore
Catalog #OP43
1:1000

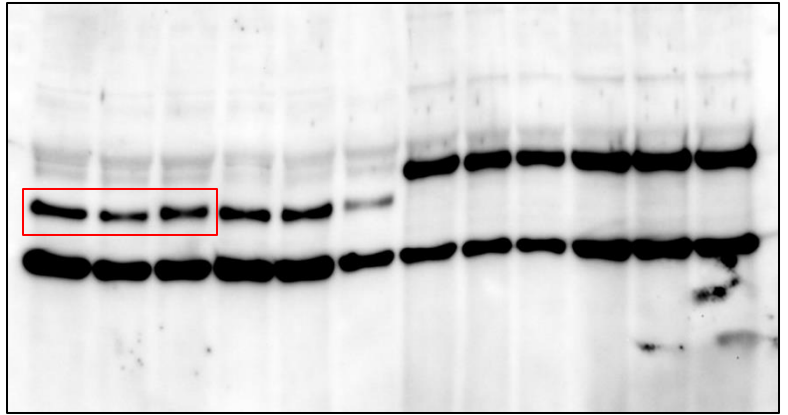


Figure 4F.
LC3
Cell Signaling
Catalog #4108
1:1000

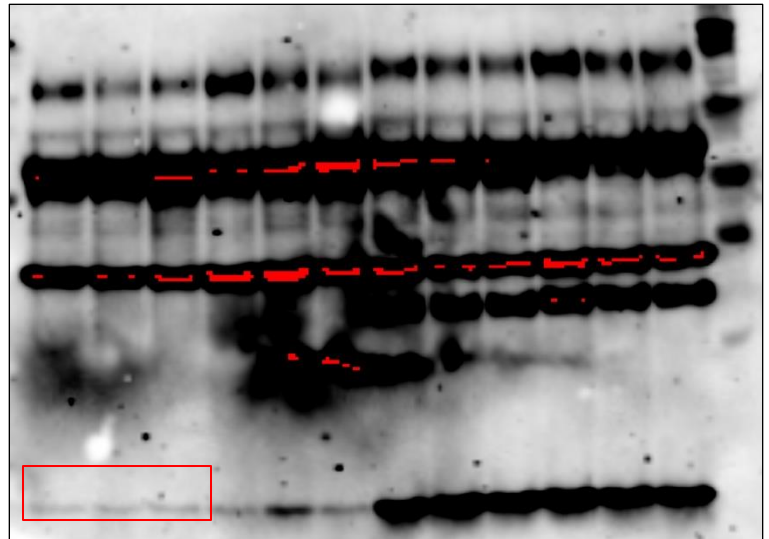


Figure 4F.
GAPDH
Cell Signaling
Catalog #2118
1:25,000

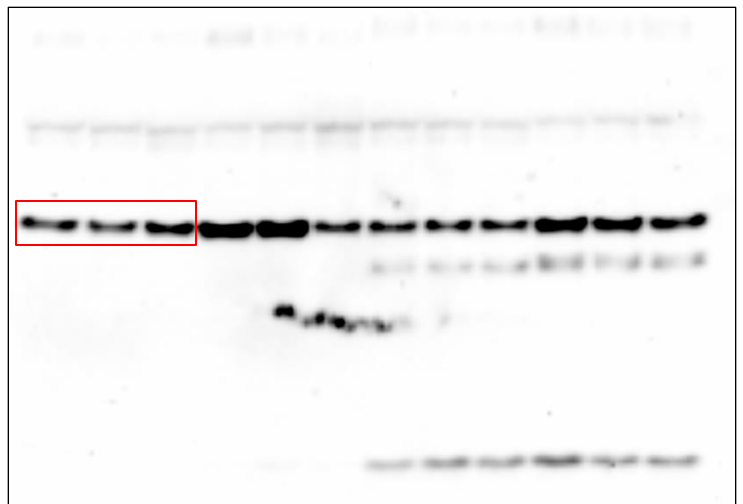


Figure 4G.
LAMP2A
Abcam
Catalog #18528
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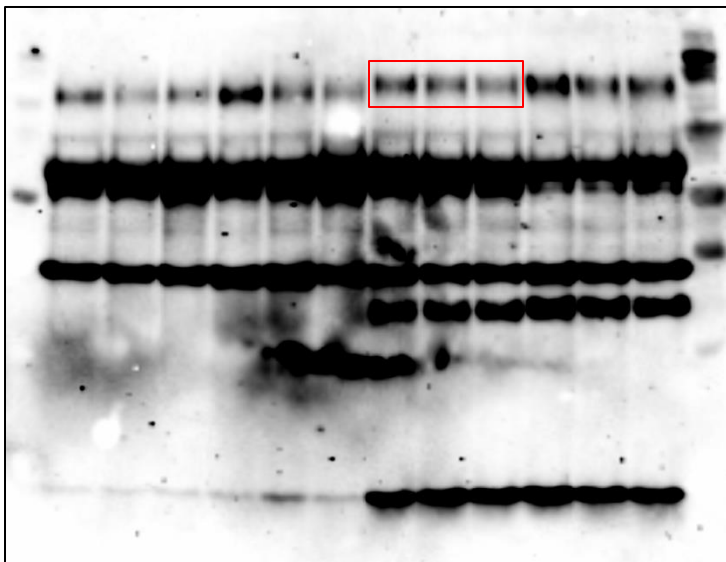


Figure 4G.
HSC70
Invitrogen
Catalog #PA5-27337
1:1000

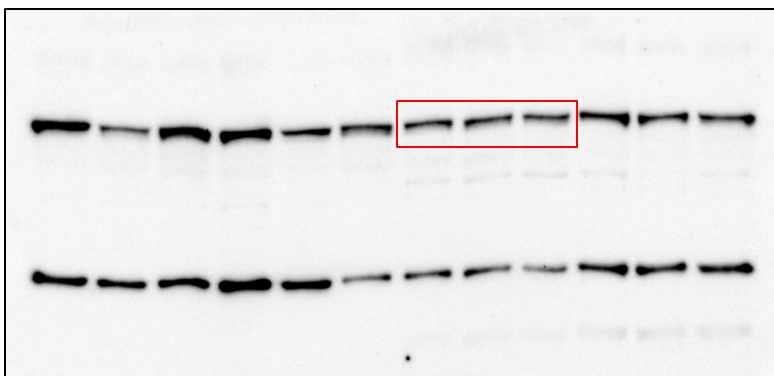


Figure 4G.
CHK1
Cell Signaling
Catalog #2360
1:1000

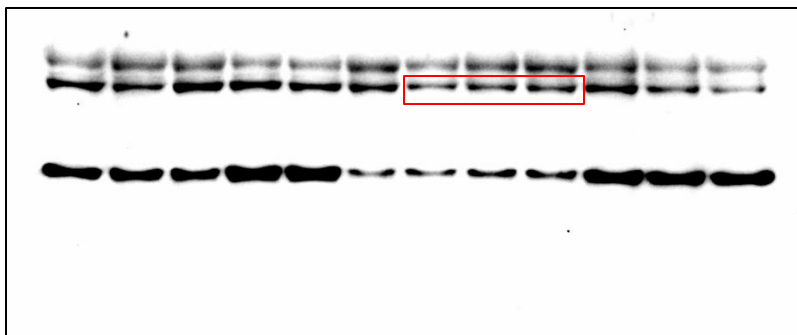


Figure 4G.
p-CHK1
Cell Signaling
Catalog #2348
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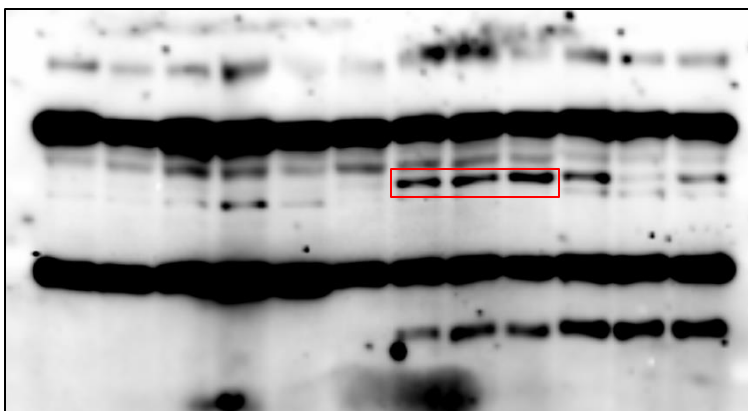


Figure 4G.
TP53
Millipore
Catalog #OP43
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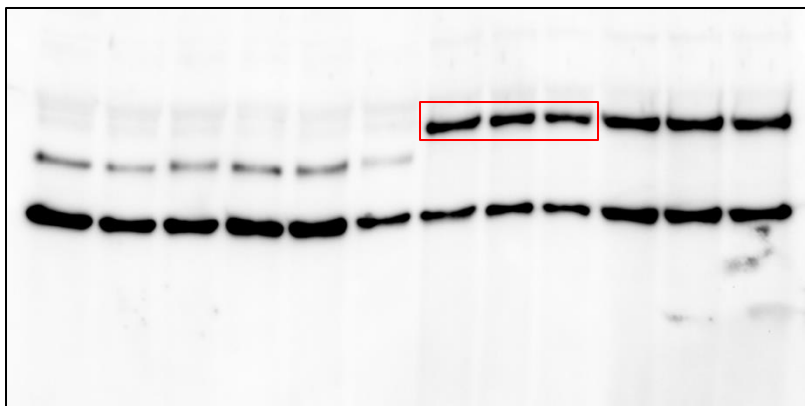


Figure 4G.
LC3
Cell Signaling
Catalog #4108
1:1000

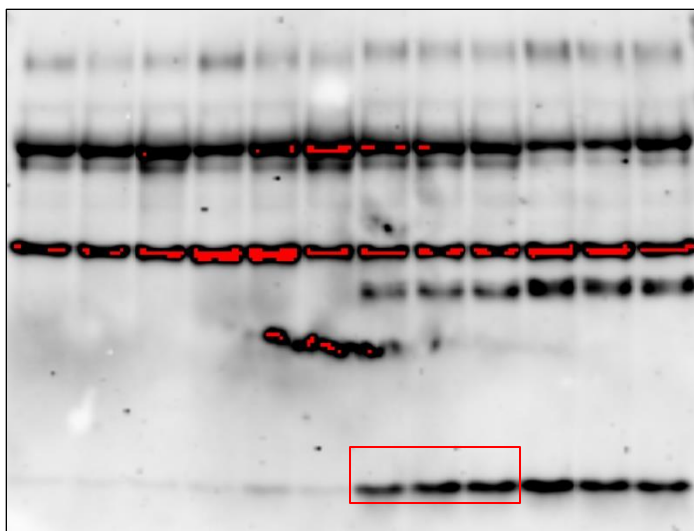


Figure 4G.
GAPDH
Cell Signaling
Catalog #2118
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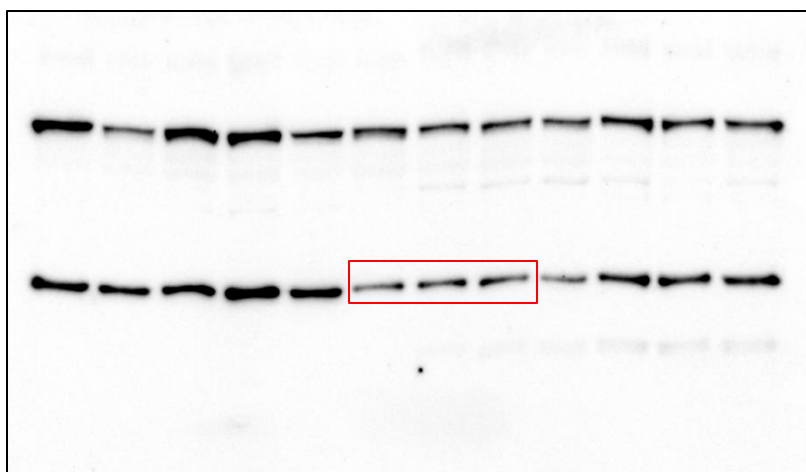


Figure 5D-E.
HM13
Abcam
Catalog #ab247061
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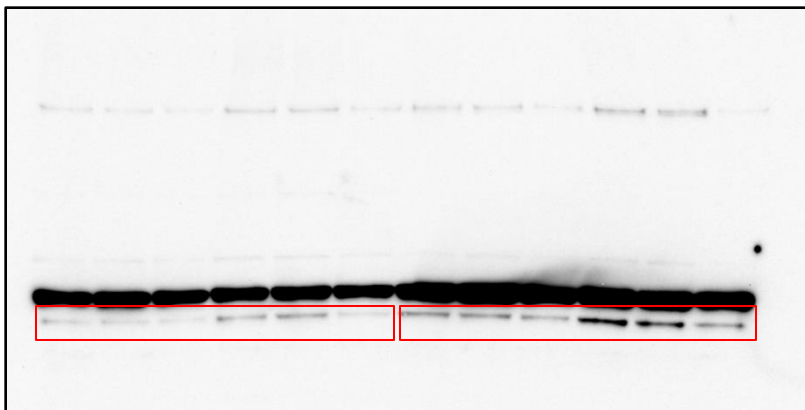


Figure 5D-E.
HSP60
CST
Catalog #12165
1:7500

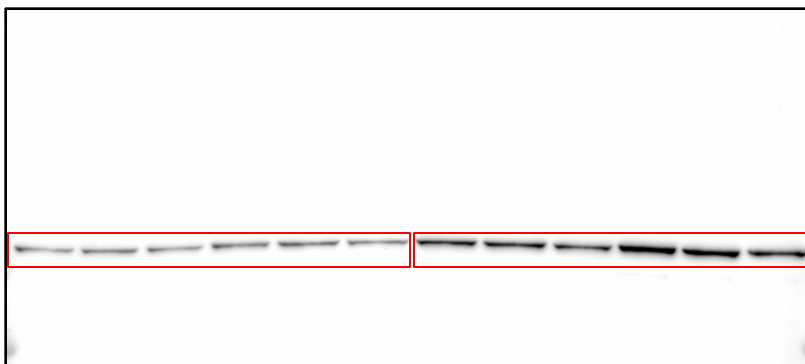


Figure 6A.
BIP
Cell Signaling
Catalog #3177
1:1000 dilution

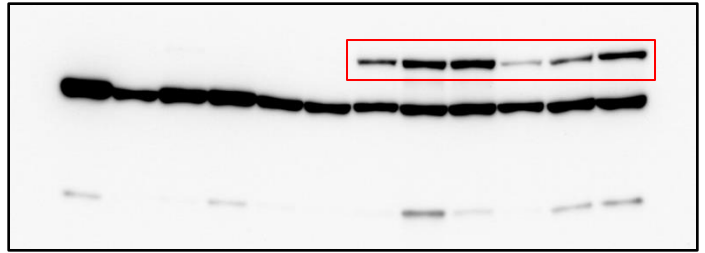


Figure 6A.
PERK
Cell Signaling
Catalog #5683
1:1000 dilution

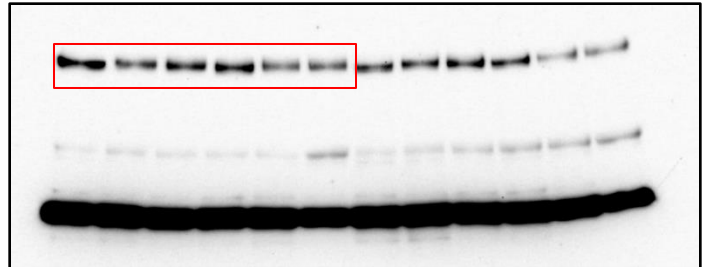


Figure 6A.
GADD34
Invitrogen
Catalog #PA1-139
1:1000 dilution

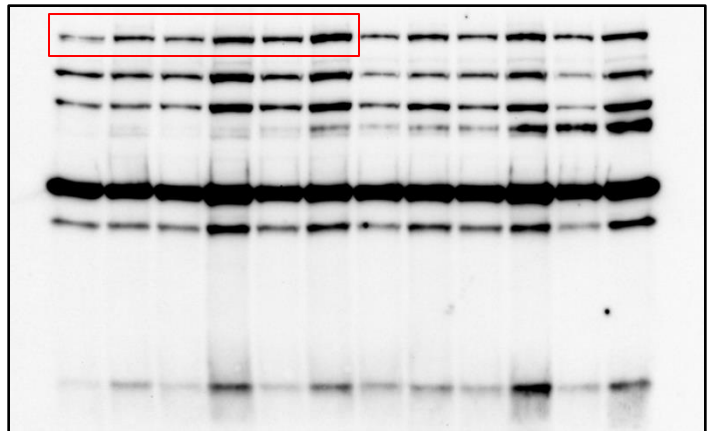


Figure 6A.
ATF-4
Cell Signaling
Catalog #11815
1:1000 dilution

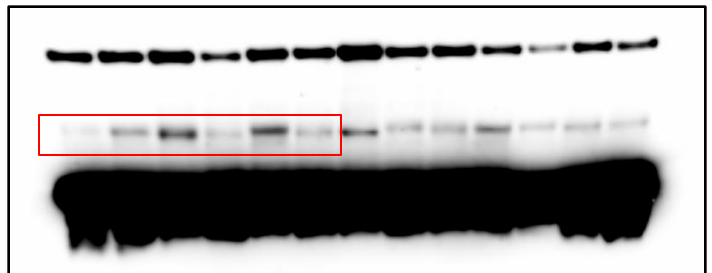


Figure 6A.
p-eIF2a
Cell Signaling
Catalog #3597
1:1000 dilution

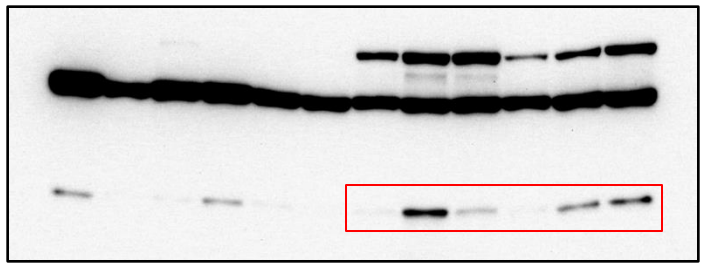


Figure 6A.
IRE-1 α
Cell Signaling
Catalog #3294
1:1000 dilution

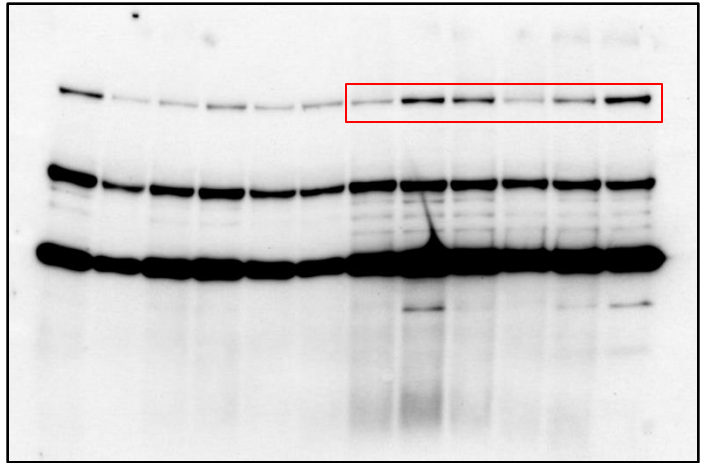


Figure 6A.
XBP-1
Cell Signaling
Catalog #40435
1:1000 dilution

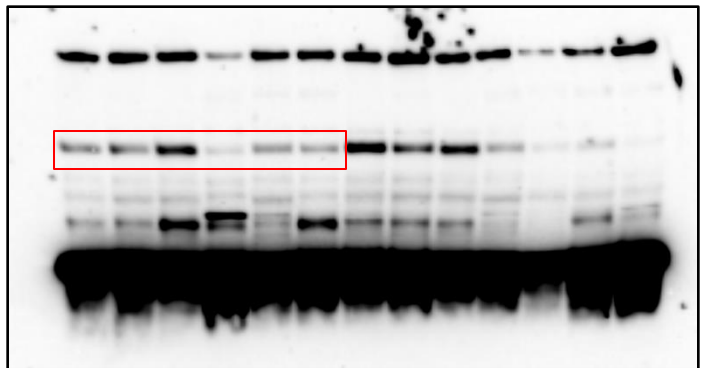


Figure 6A.
p-JNK
Cell Signaling
Catalog #4668
1:1000 dilution

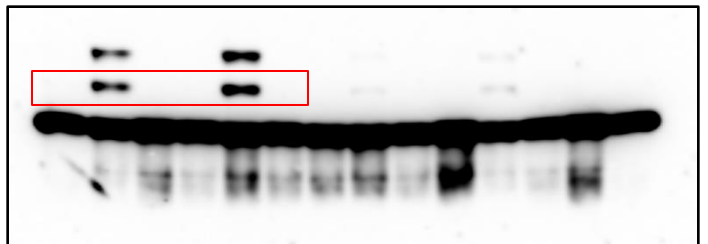


Figure 6A.
ATF-6
Cell Signaling
Catalog #65880
1:1000 dilution

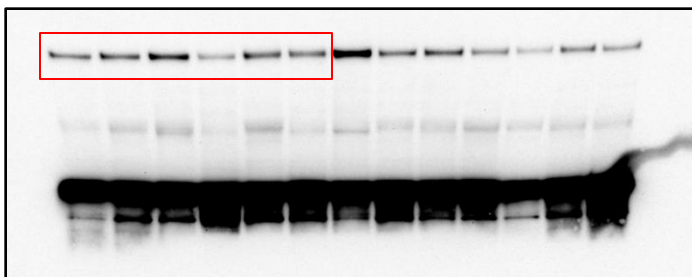


Figure 6A.
PINK1
Cell Signaling
Catalog #6946
1:1000 dilution

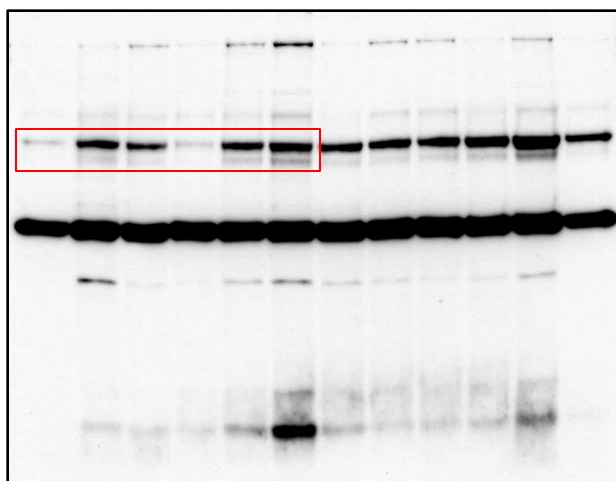


Figure 6A.
NDP52
Abcam
Catalog #68588
1:1000 dilution

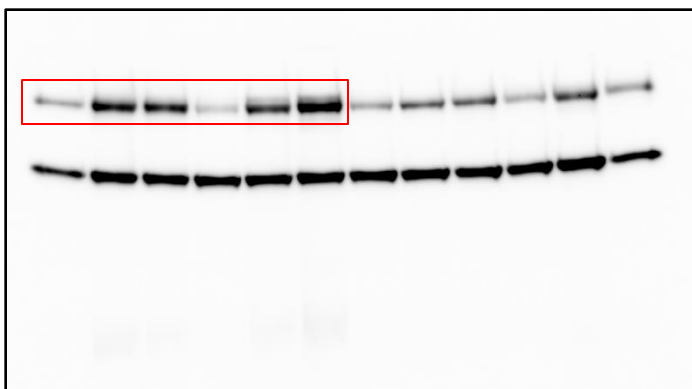


Figure 6A.
LC3
Cell Signaling
Catalog #4108
1:1000

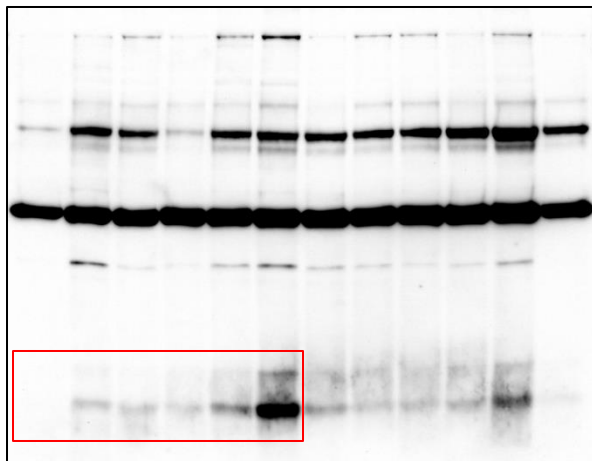


Figure 6A.
CL-PARP
Cell Signaling
Catalog #9532
1:1000

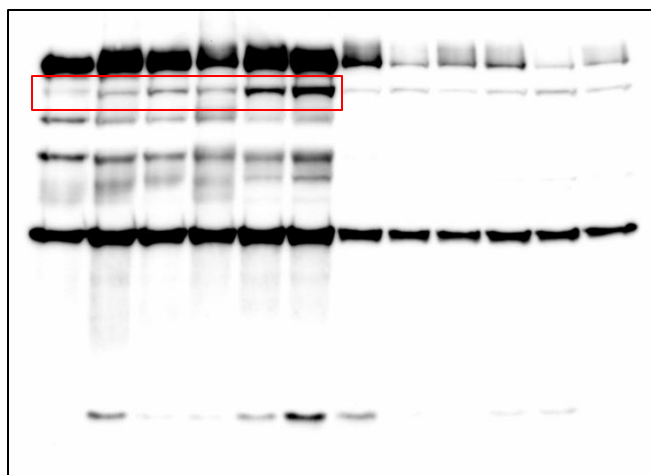


Figure 6A.
Bak
Cell Signaling
Catalog #12105
1:1000

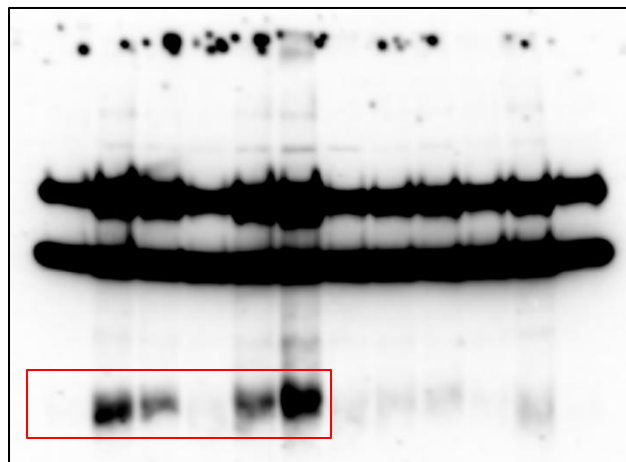


Figure 6A.
HSP60
Cell Signaling
Catalog #12165
1:7500



Figure 6A.
GAPDH
Cell Signaling
Catalog #2118
1:25000

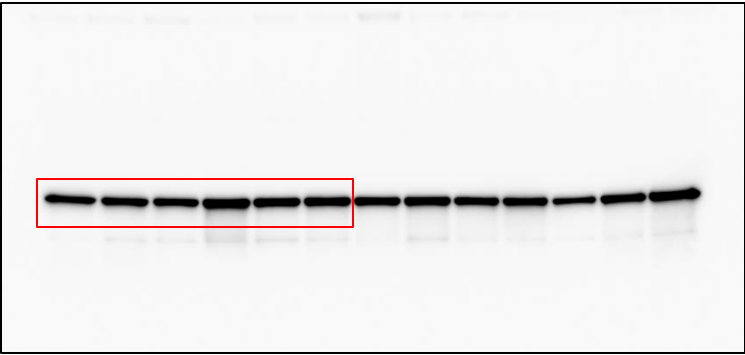


Figure 6B.
PERK
Cell Signaling
Catalog #5683
1:1000

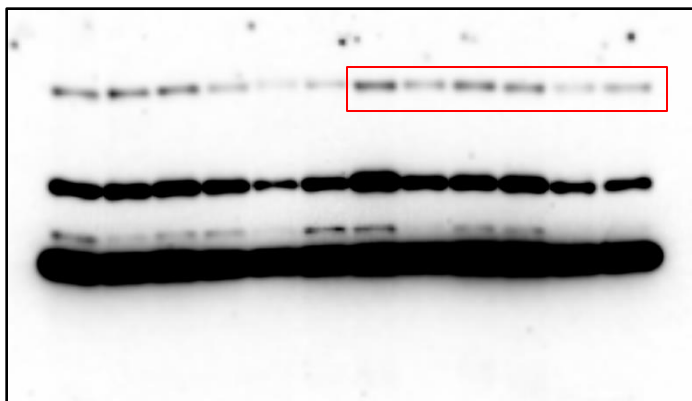


Figure 6B.
GADD34
Invitrogen
Catalog #PA1-139
1:1000

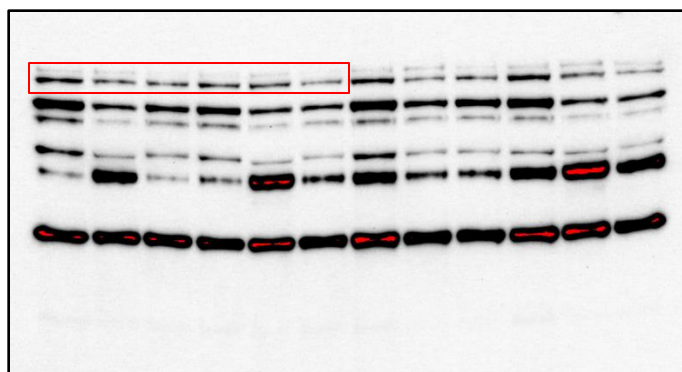


Figure 6B.
IRE-1 α
Cell Signaling
Catalog #3294
1:1000

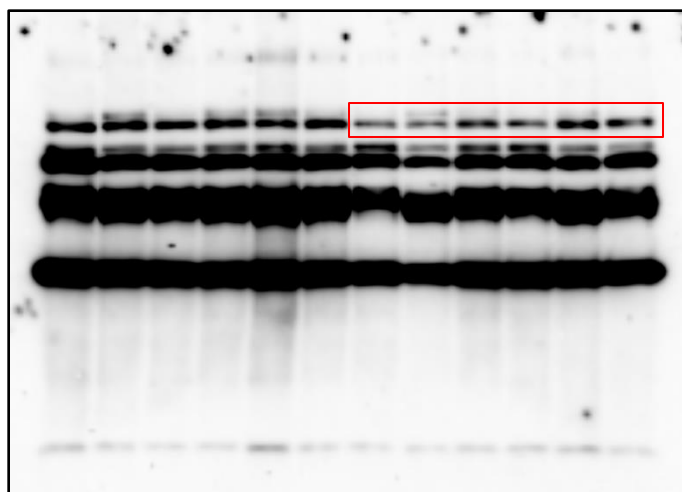


Figure 6B.
XBP1
Cell Signaling
Catalog #40435
1:1000

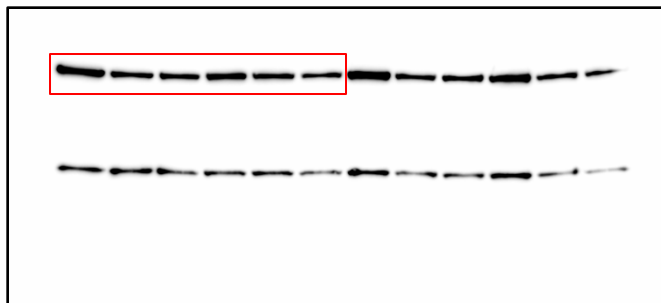


Figure 6B.
ATF-6
Cell Signaling
Catalog #65880
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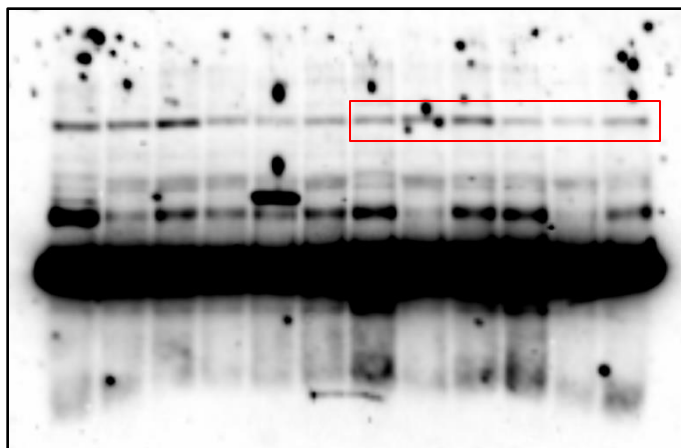


Figure 6B.
PINK1
Cell Signaling
Catalog #6946
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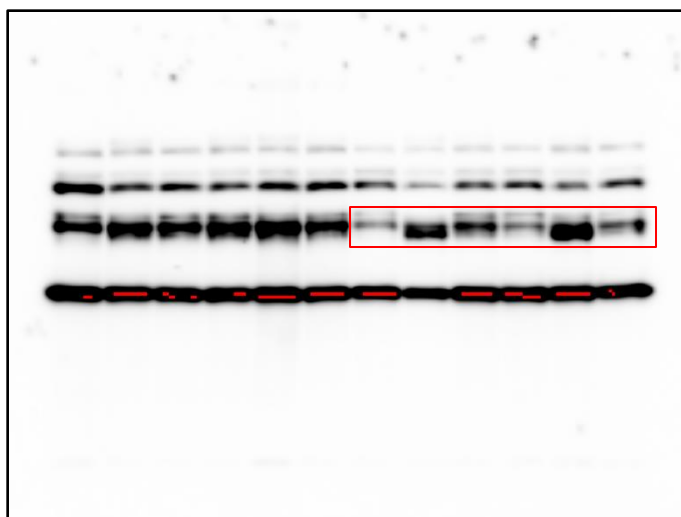


Figure 6B.
NDP52
Abcam
Catalog #68588
1:1000

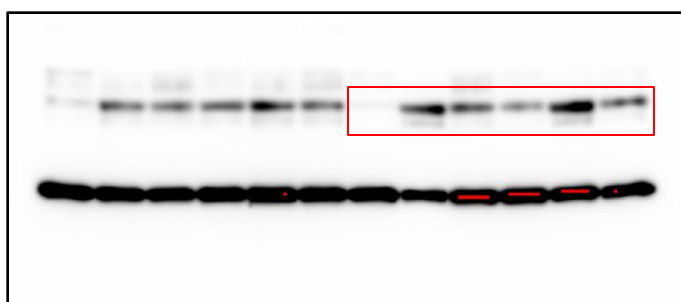


Figure 6B.
LC3
Cell Signaling
Catalog #4108
1:1000



Figure 6B.
CL-PARP
Cell Signaling
Catalog #9532
1:25000

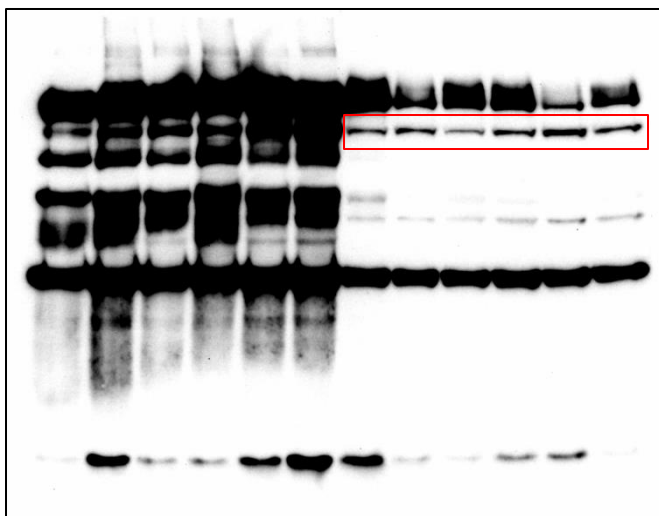


Figure 6B.
GAPDH
Cell Signaling
Catalog #2118
1:25000

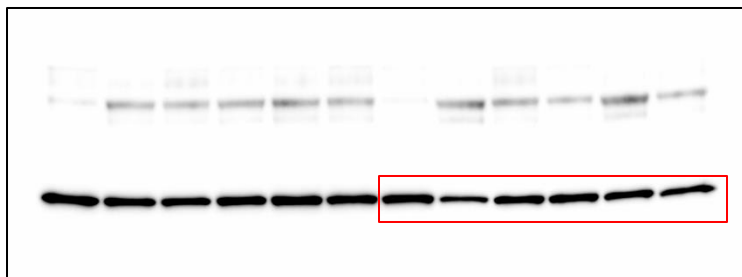


Figure 6D.
Puromycin
DSHB
Catalog #PMY-2A4
1:1000

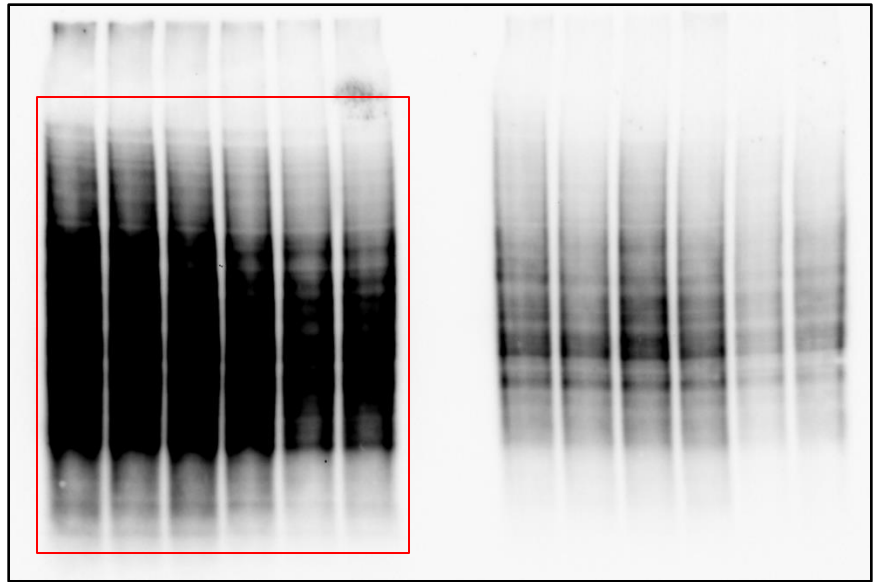


Figure 6D.
GAPDH
Santa Cruz
Catalog #sc-32233
1:30000

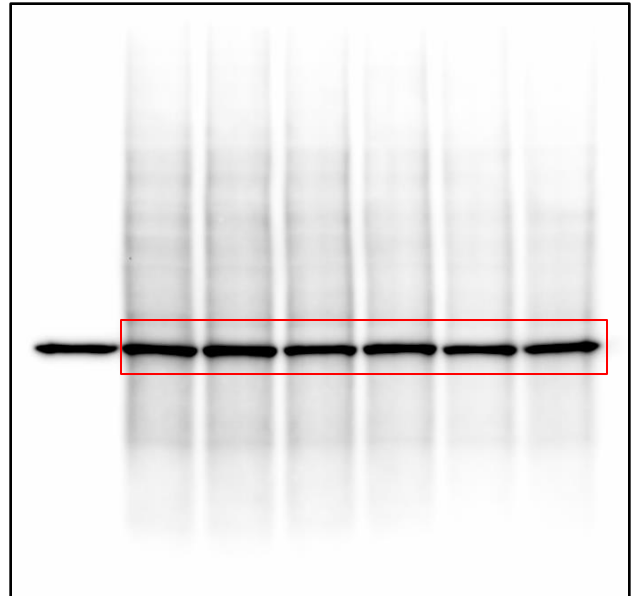


Figure 6E.
Puromycin
DSHB
Catalog #PMY-2A4
1:1000

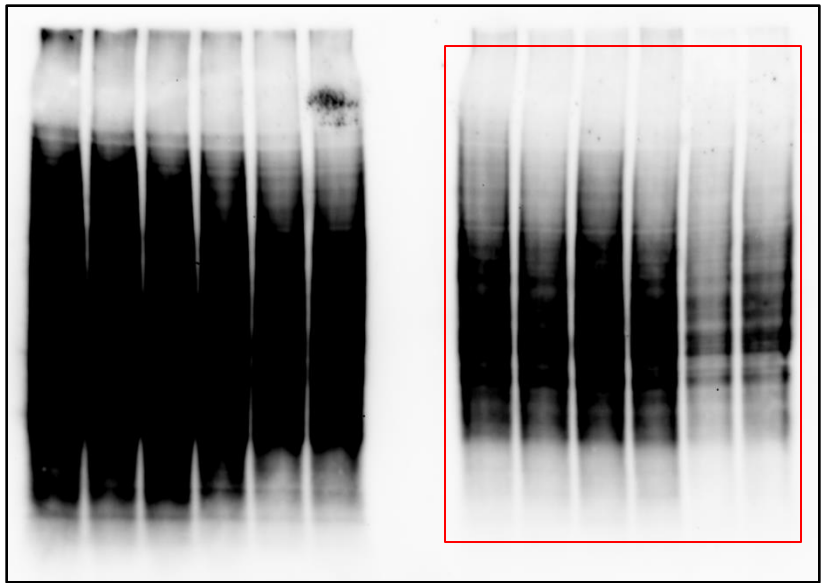


Figure 6E.
GAPDH
Santa Cruz
Catalog #sc-32233
1:30000

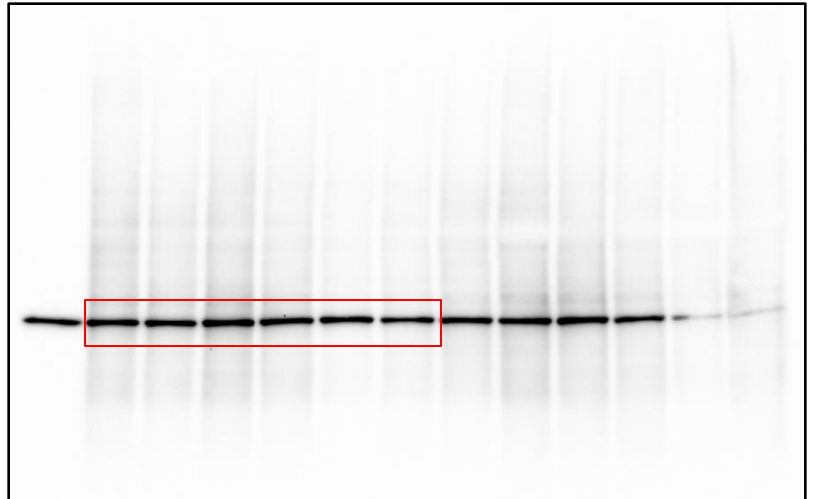


Figure 7C.
BIP
Cell Signaling
Catalog #3177
1:1000

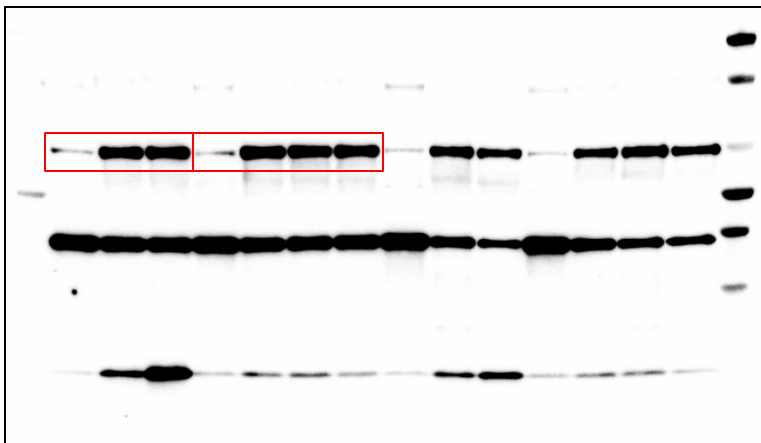


Figure 7C.
PERK
Cell Signaling
Catalog #5683
1:1000

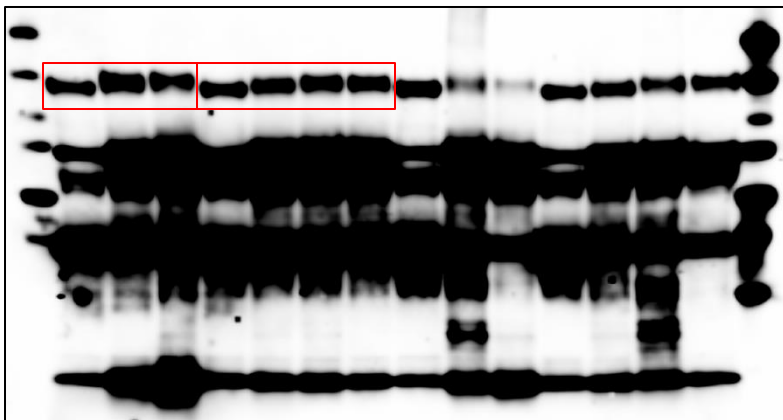


Figure 7C.
GADD34
Invitrogen
Catalog #PA1-139
1:1000

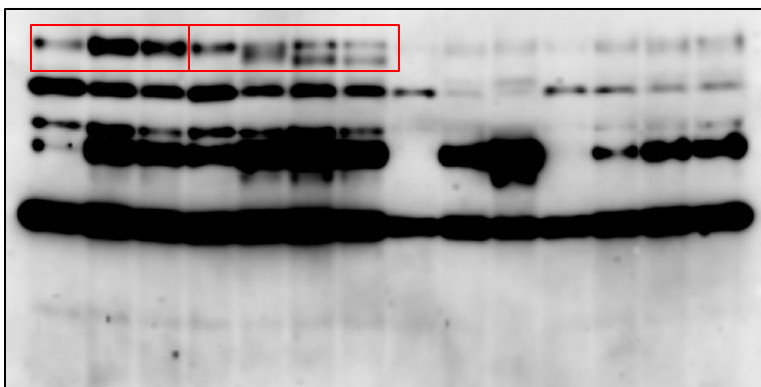


Figure 7C.
p-eIF2a
Cell Signaling
Catalog #3597
1:1000

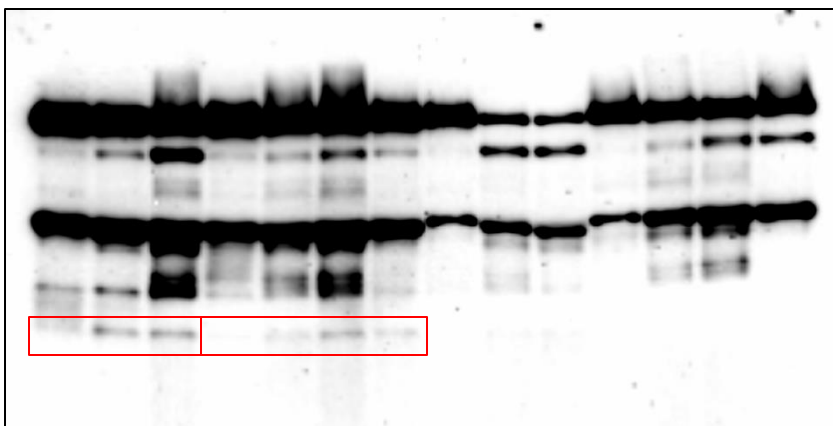


Figure 7C.
IRE-1 α
Cell Signaling
Catalog #3294
1:1000

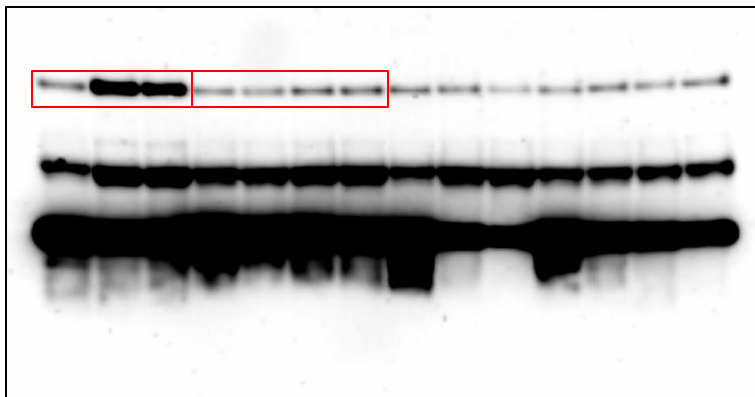


Figure 7C.
XBP-1
Cell Signaling
Catalog #40435
1:1000

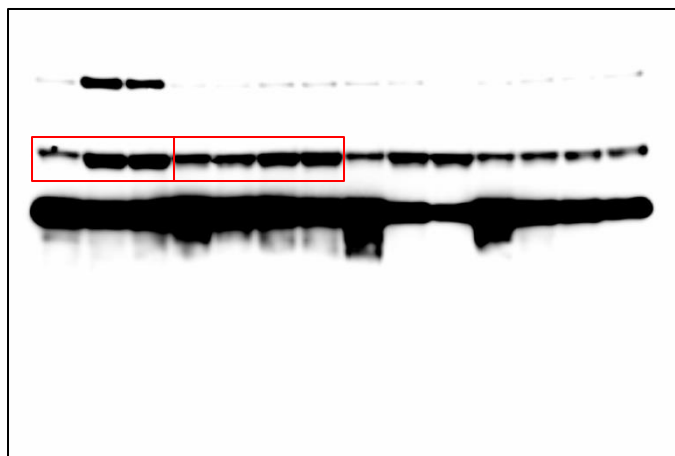


Figure 7C.
p-JNK
Cell Signaling
Catalog #4668
1:1000

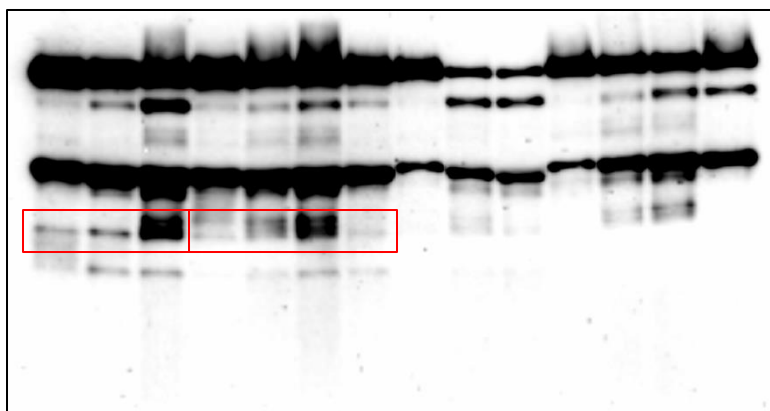


Figure 7C.
ATF-6
Cell Signaling
Catalog #65880
1:1000

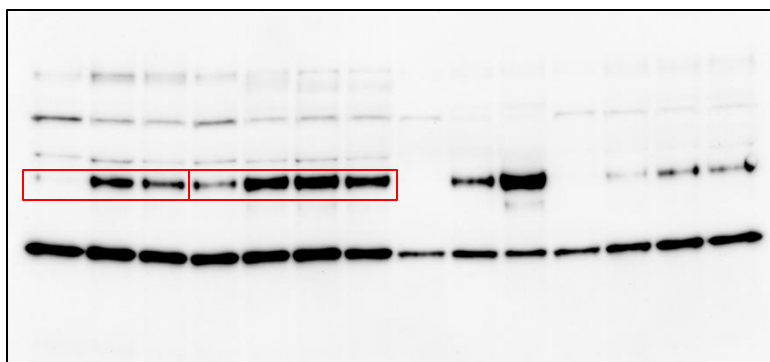


Figure 7C.
LC3
Cell Signaling
Catalog #4108
1:1000

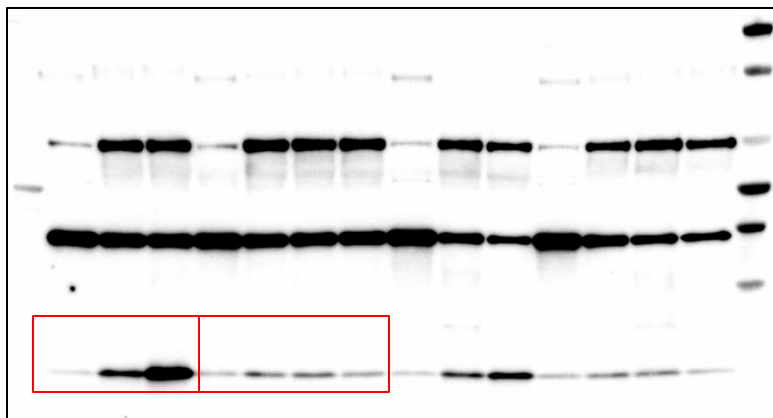


Figure 7C.
CL-PARP
Cell Signaling
Catalog #9532
1:1000

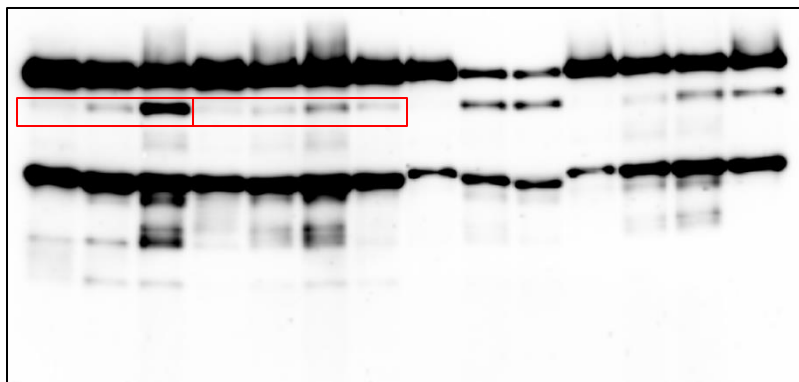


Figure 7C.
GAPDH
Cell Signaling
Catalog #2118
1:25000

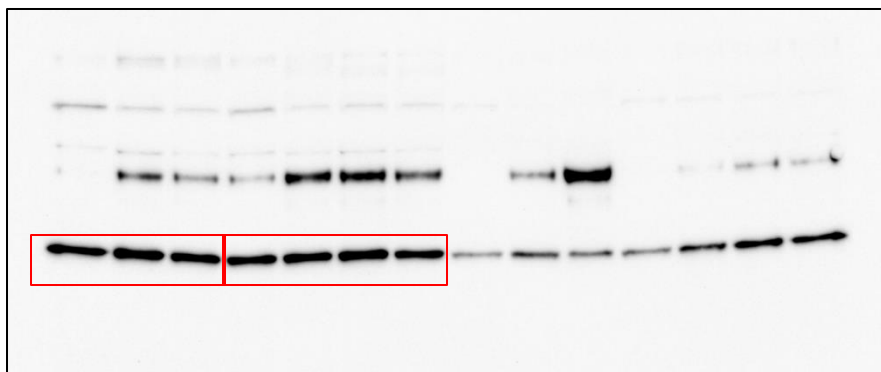


Figure 7D.
PERK
Cell Signaling
Catalog #5683
1:1000

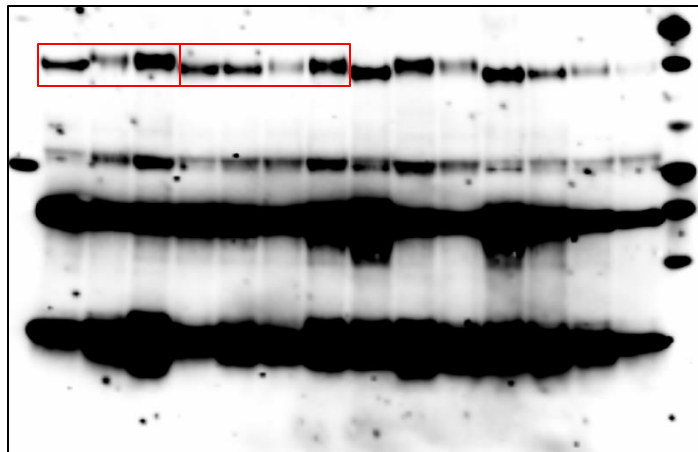


Figure 7D.
GADD34
Invitrogen
Catalog #PA1-139
1:1000

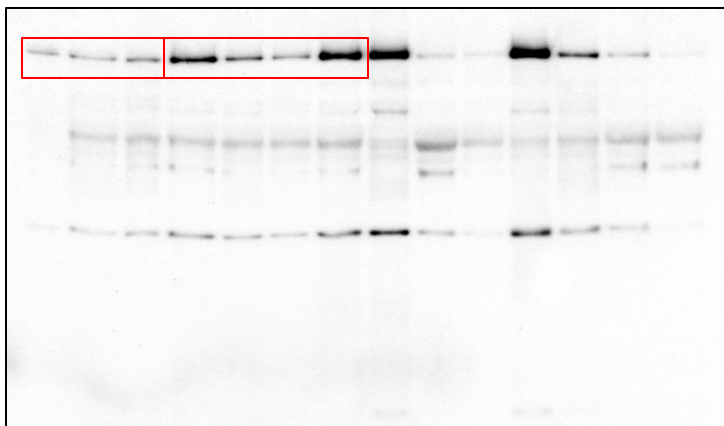


Figure 7D.
IRE-1 α
Cell Signaling
Catalog #3294
1:1000

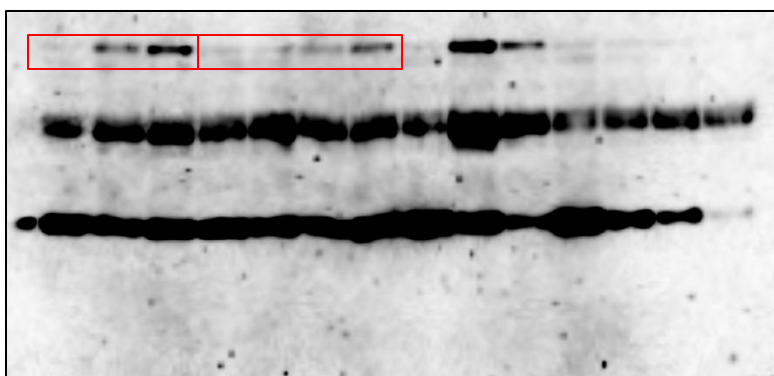


Figure 7D.
XBP-1
Cell Signaling
Catalog #40435
1:1000

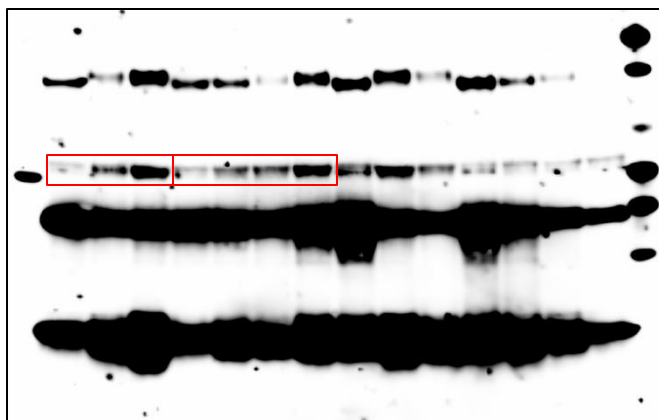


Figure 7D.
ATF-6
Cell Signaling
Catalog #65880
1:1000

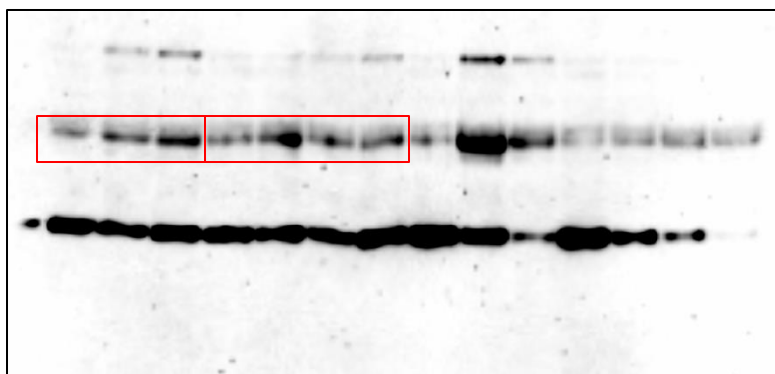


Figure 7D.
LC3
Cell Signaling
Catalog #4108
1:1000

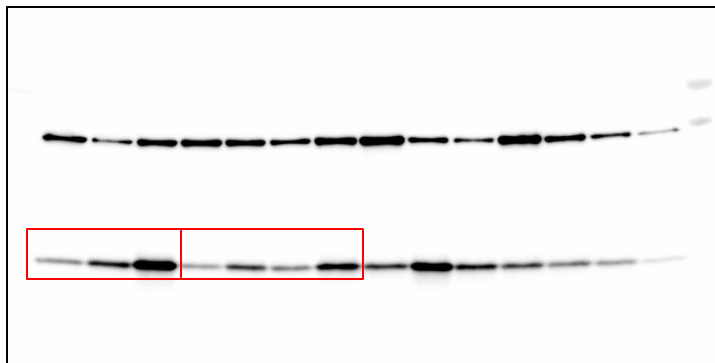


Figure 7D.
CL-PARP
Cell Signaling
Catalog #9532
1:1000

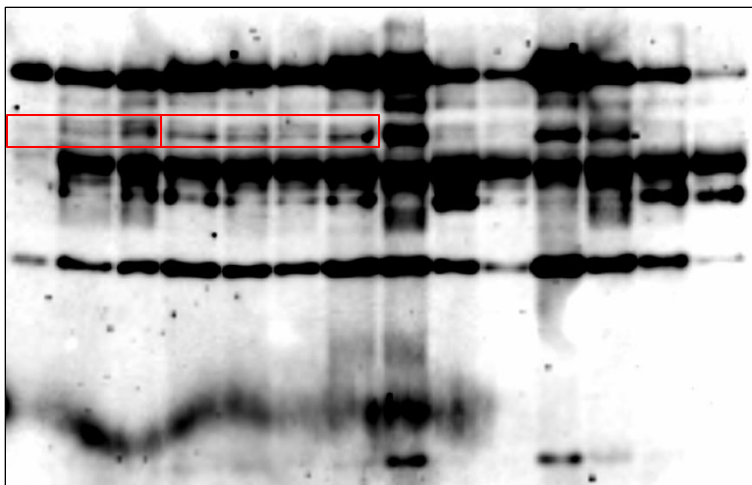


Figure 7D.
GAPDH
Cell Signaling
Catalog #2118
1:25000

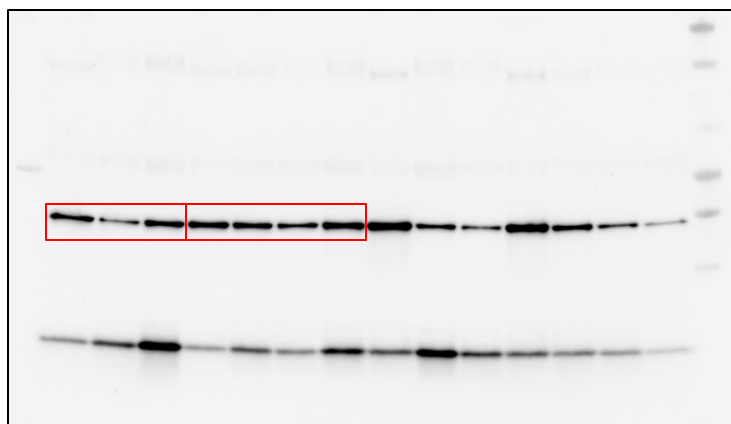


Figure S6.
CHK1
Cell Signaling
Catalog #2360
1:1000

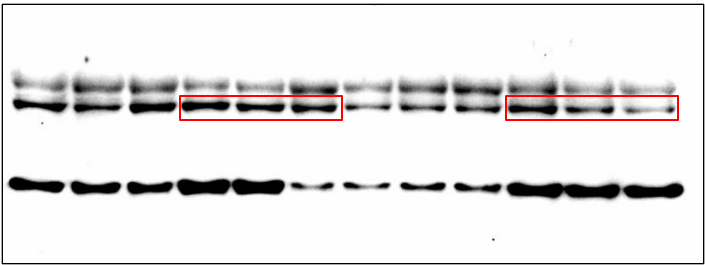


Figure S6.
GAPDH
Cell Signaling
Catalog #2118
1:25000

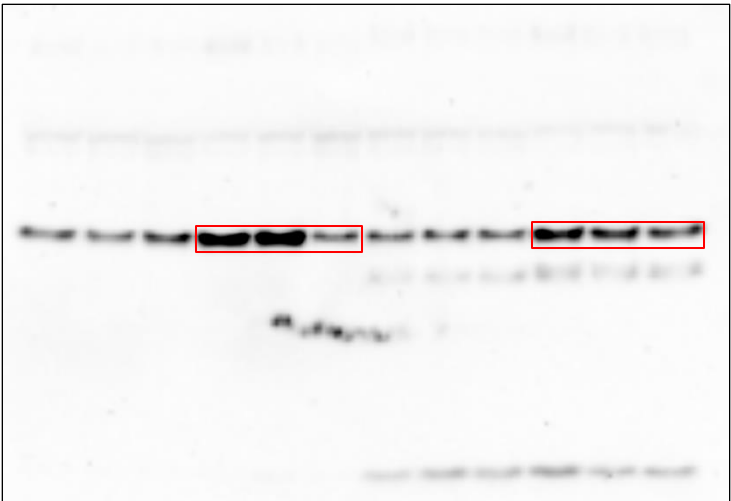


Figure S6.
p-CHK1
Cell Signaling
Catalog #2348
1:1000

