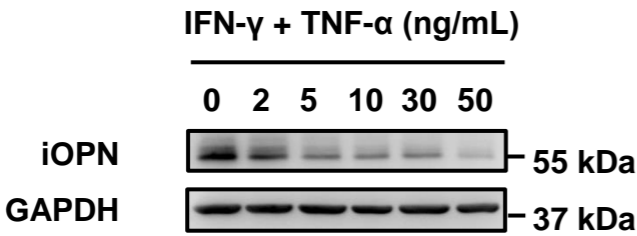
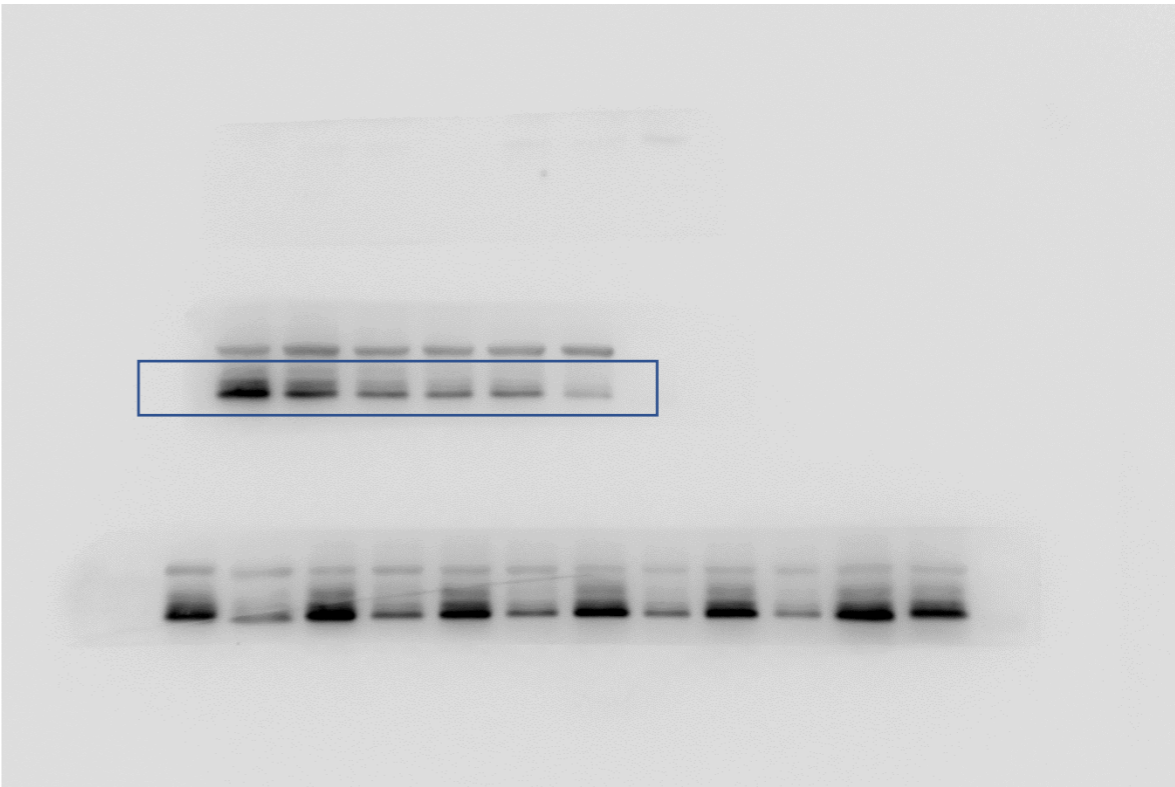


Figure 1

c



iOPN



GAPDH

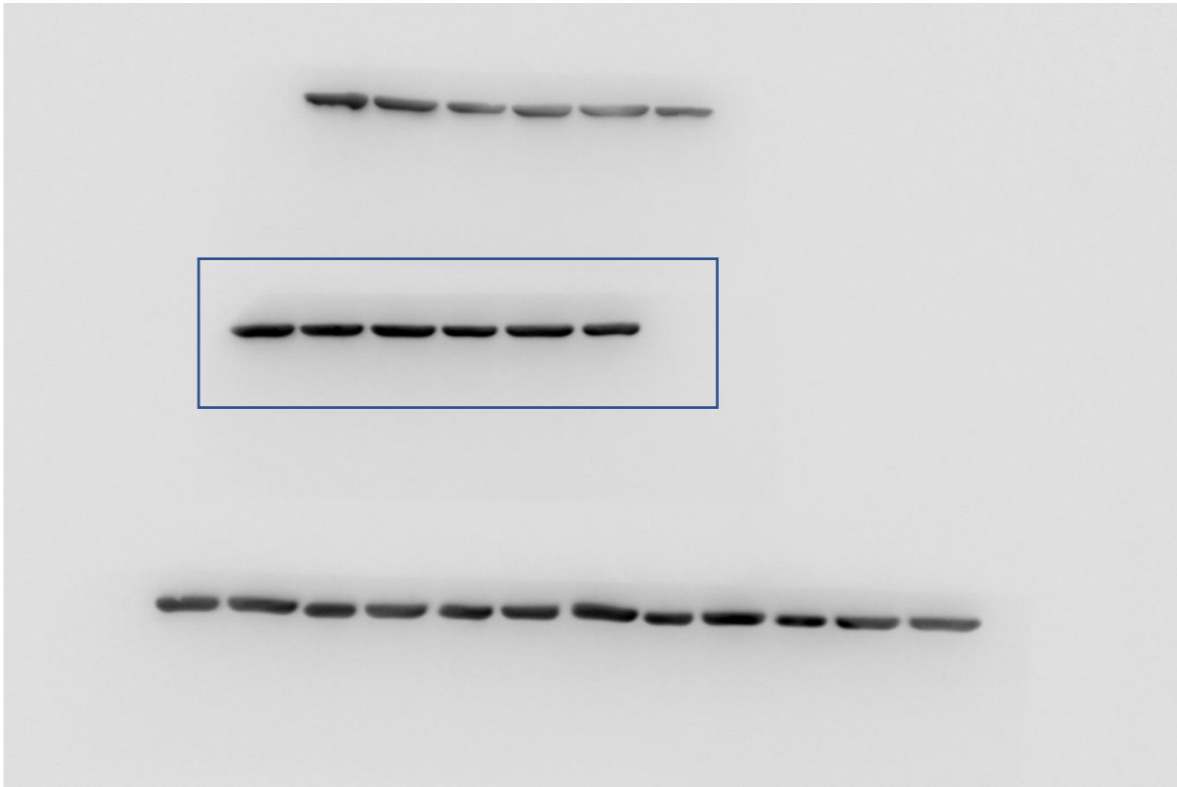
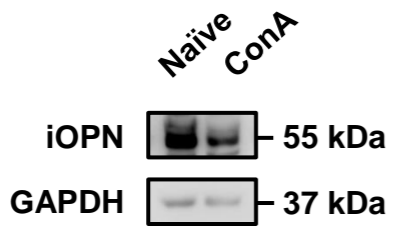
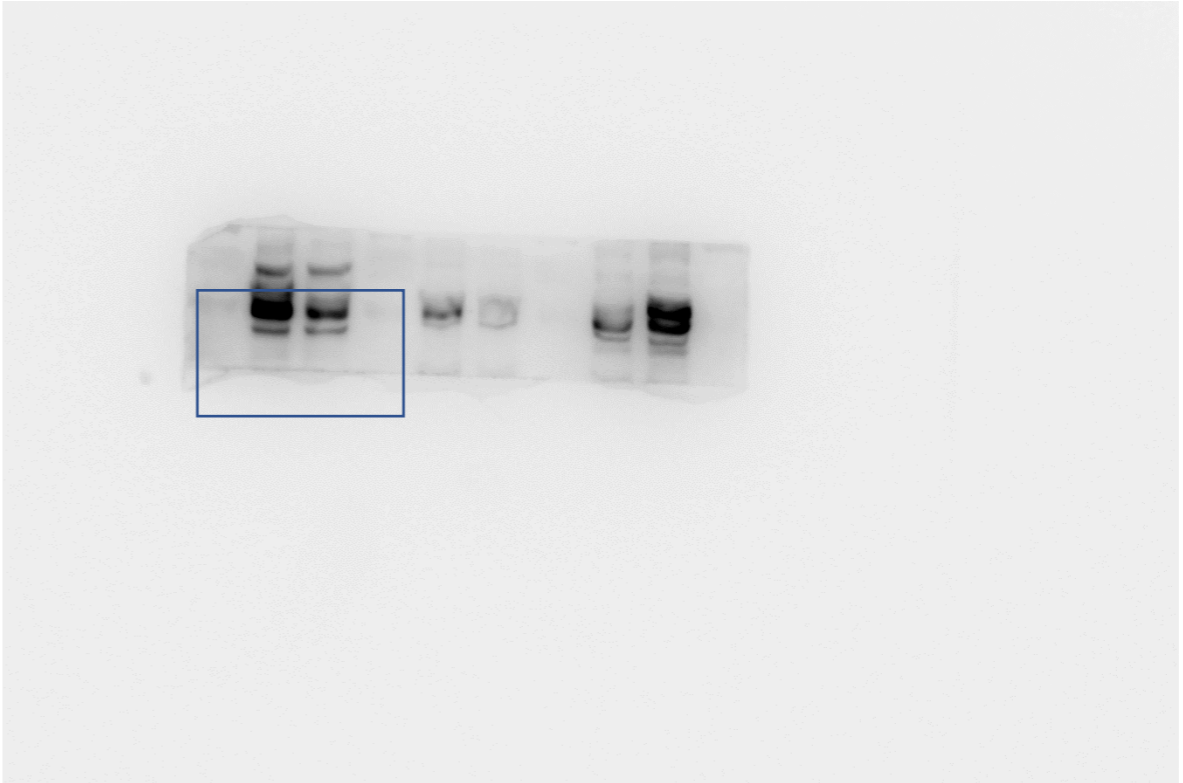


Figure 1

h



iOPN



GAPDH

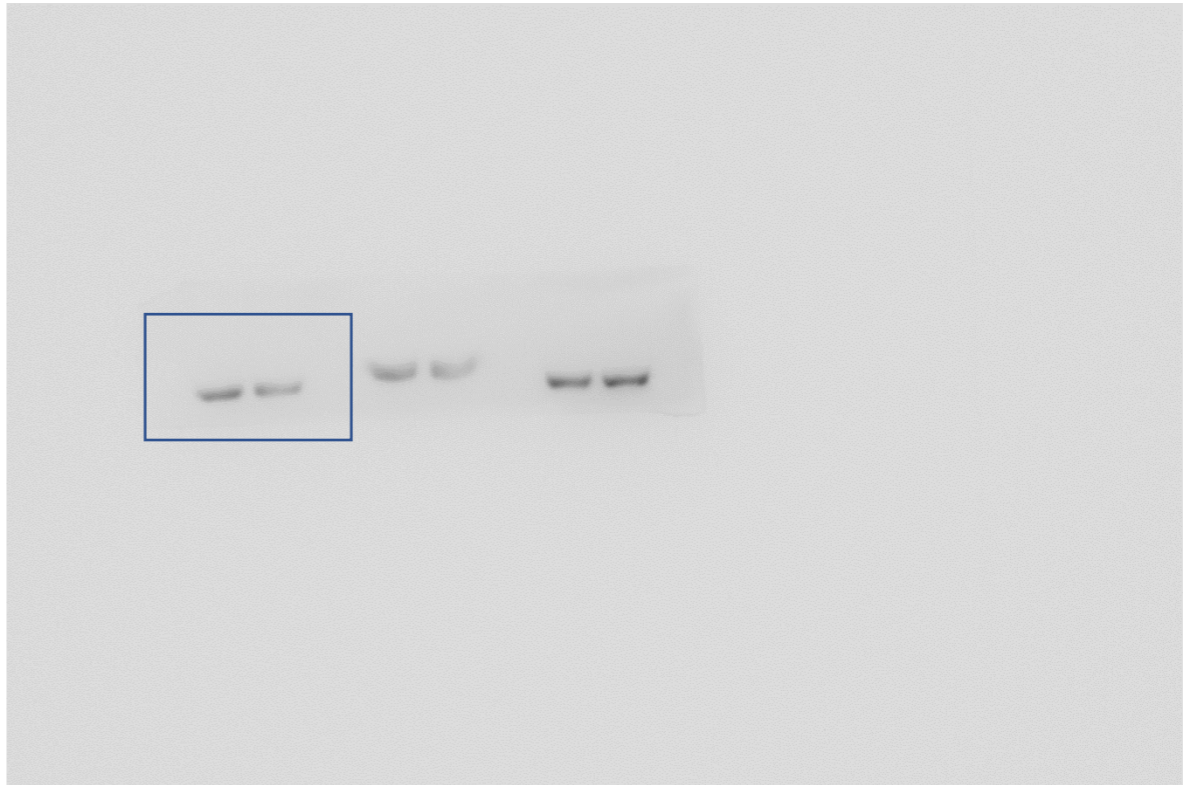
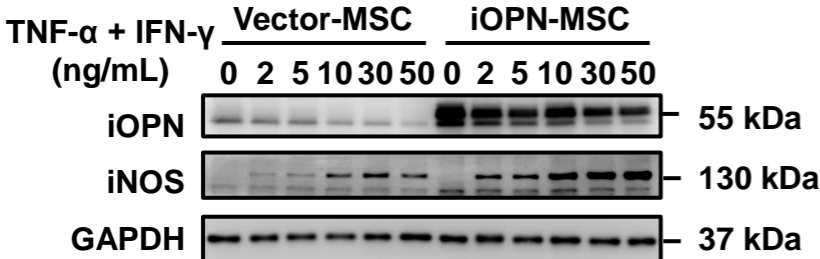
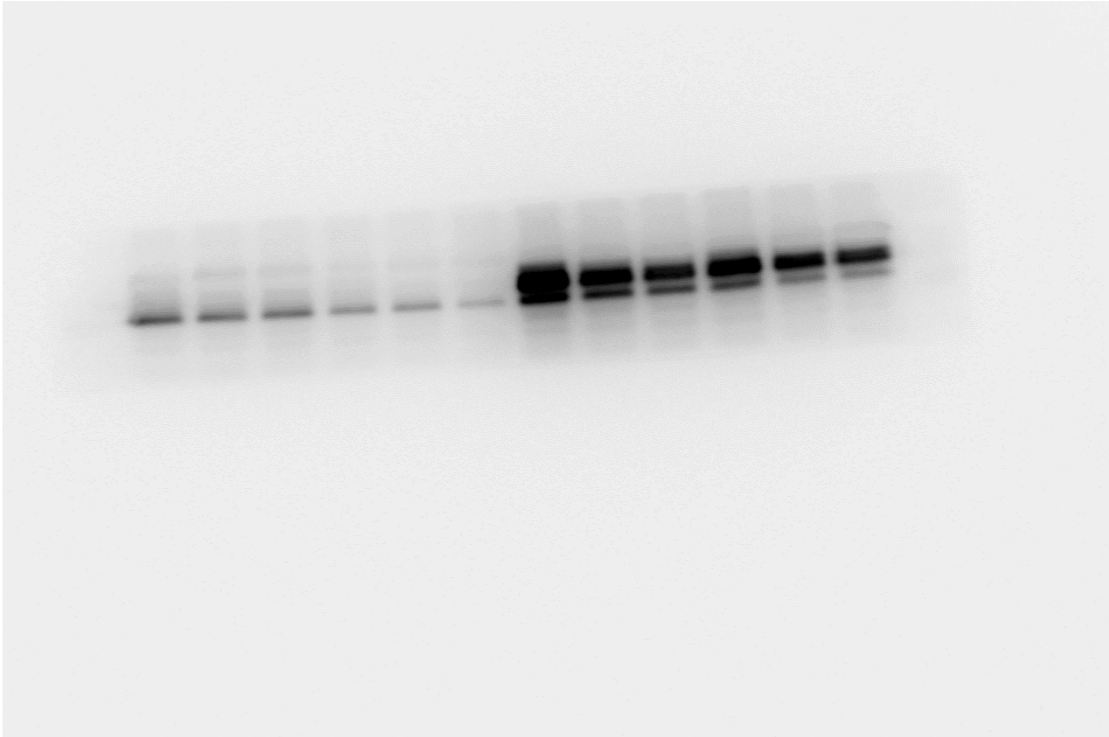


Figure 4

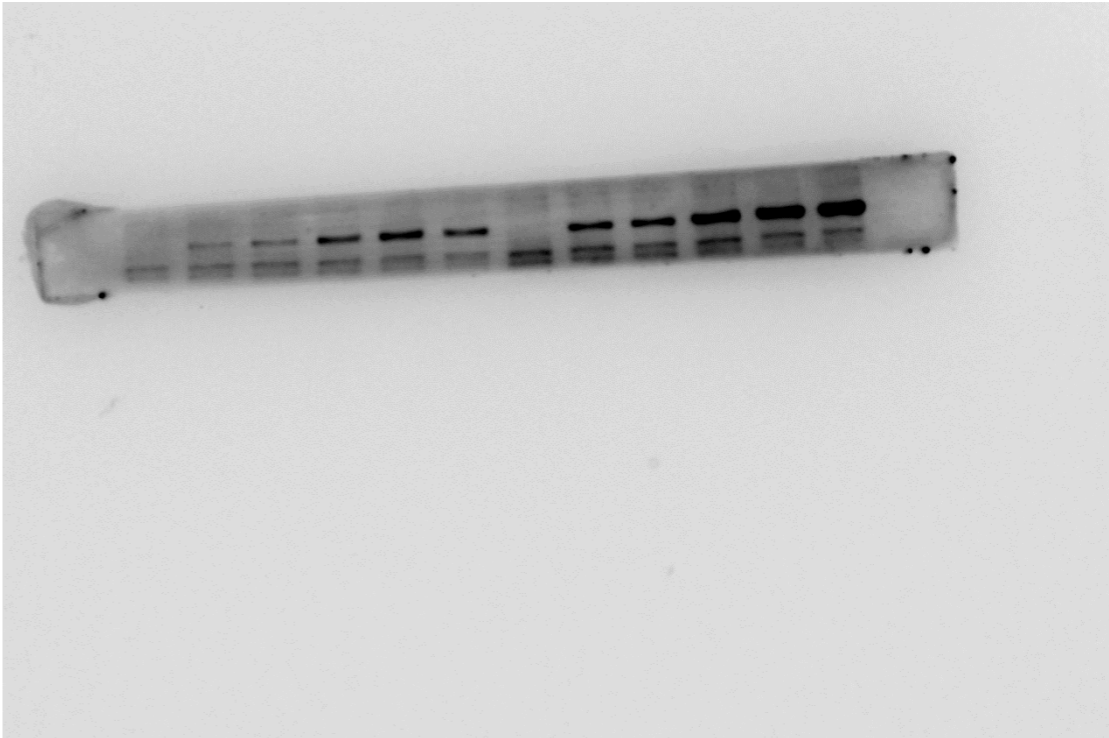
C



iOPN



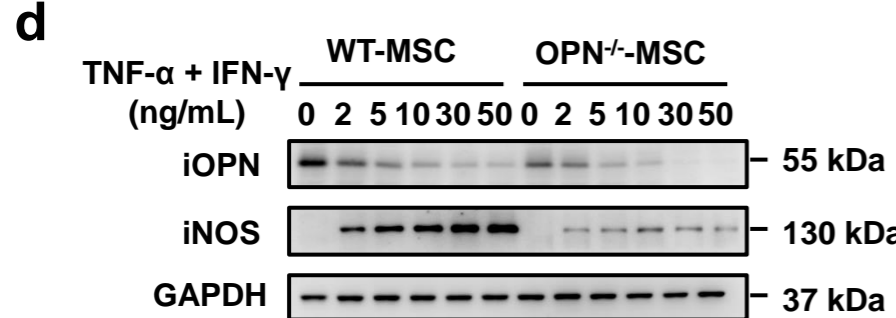
iNOS



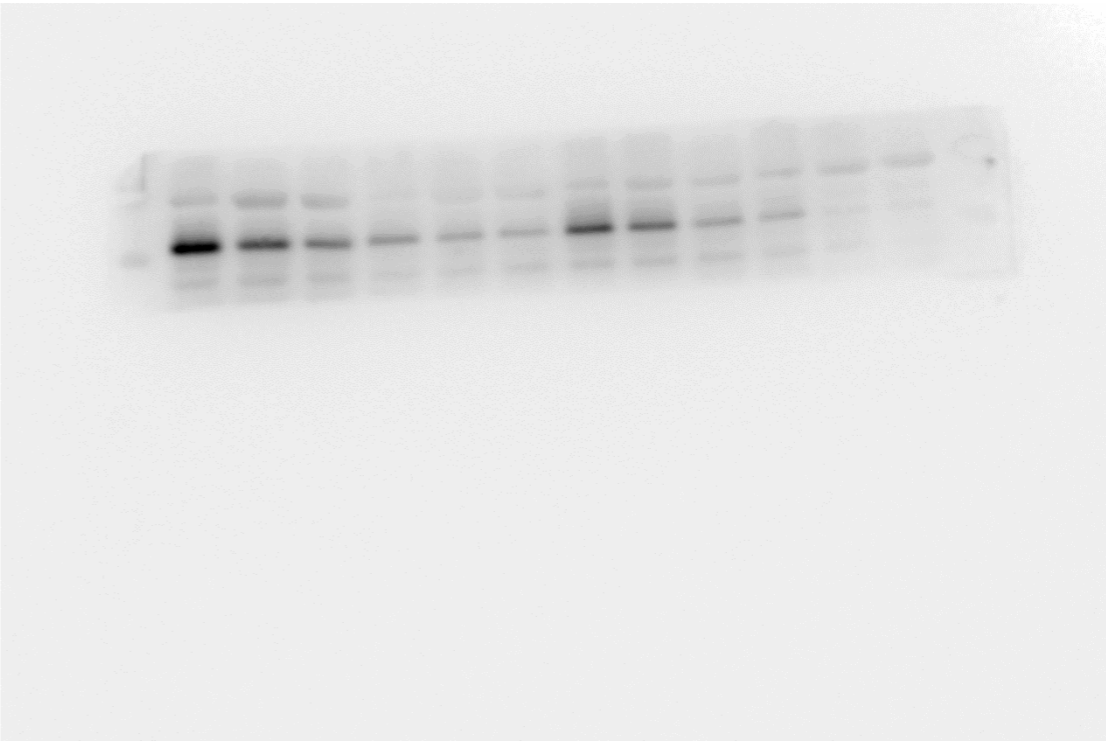
GAPDH



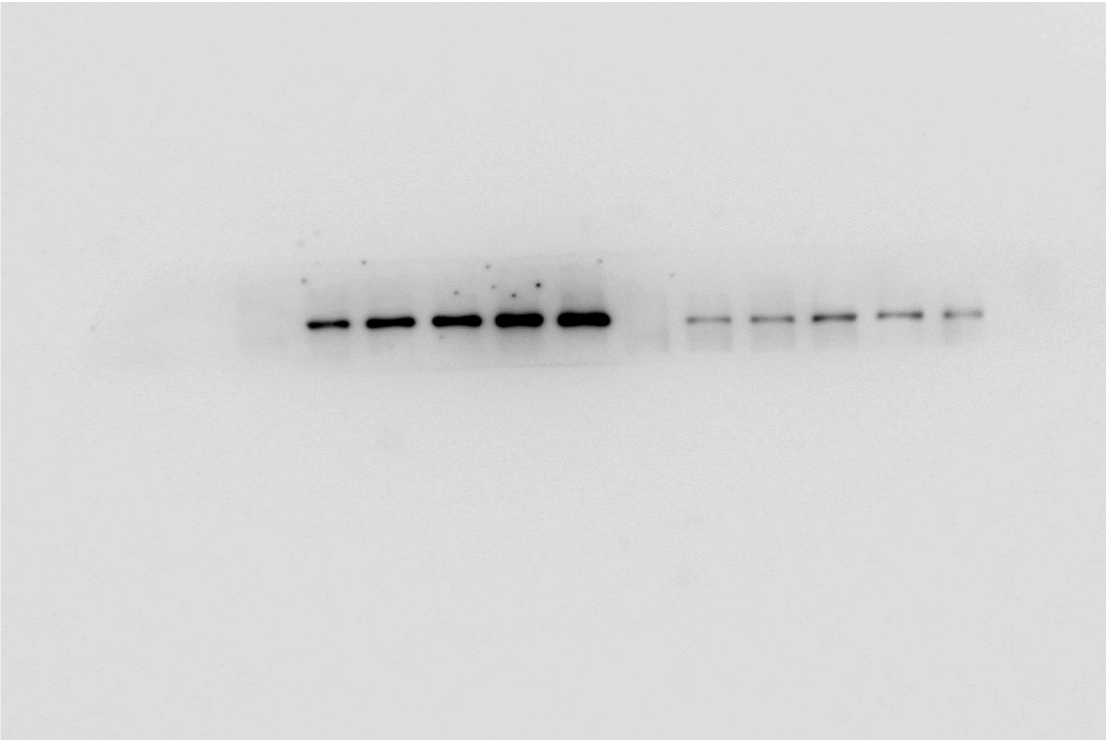
Figure 4



iOPN



iNOS



GAPDH

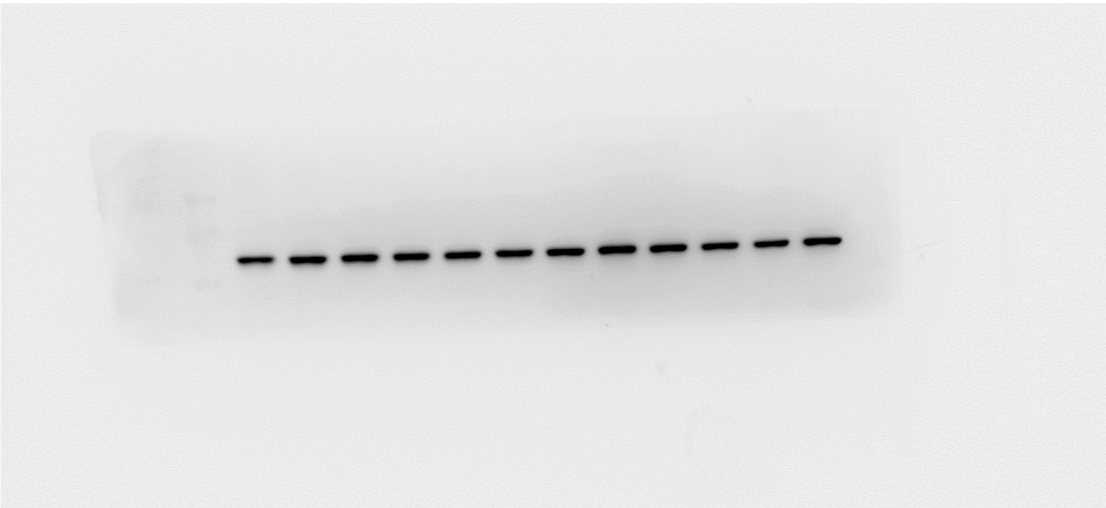


Figure 4

f

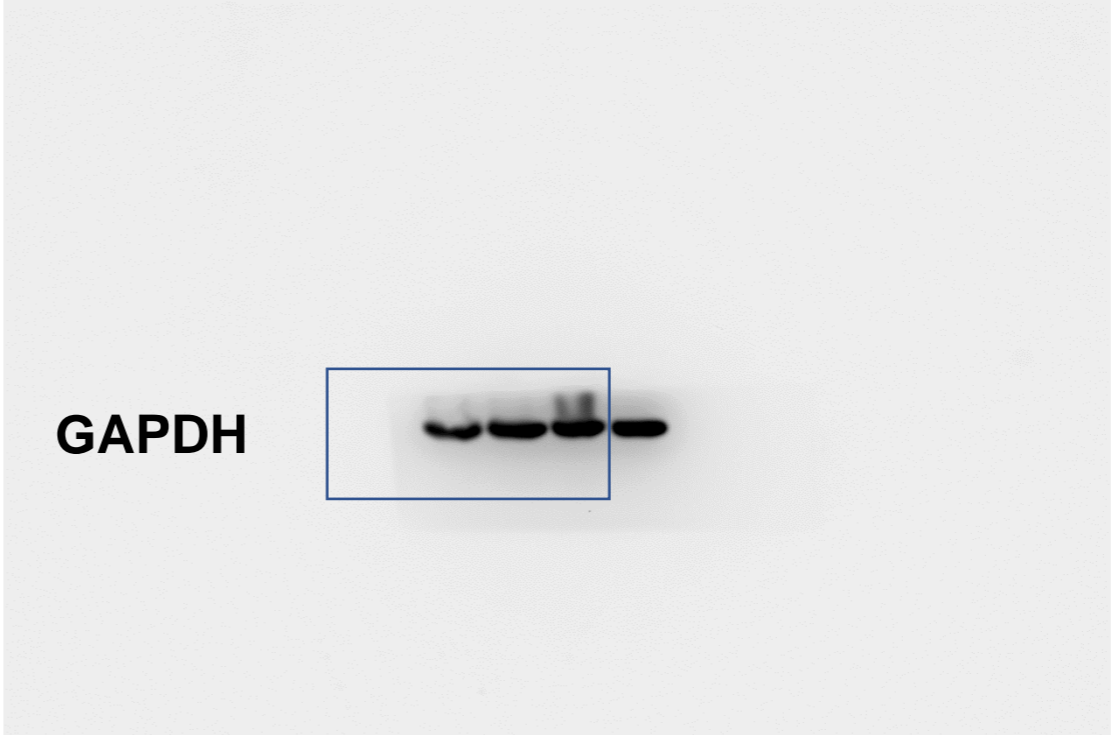
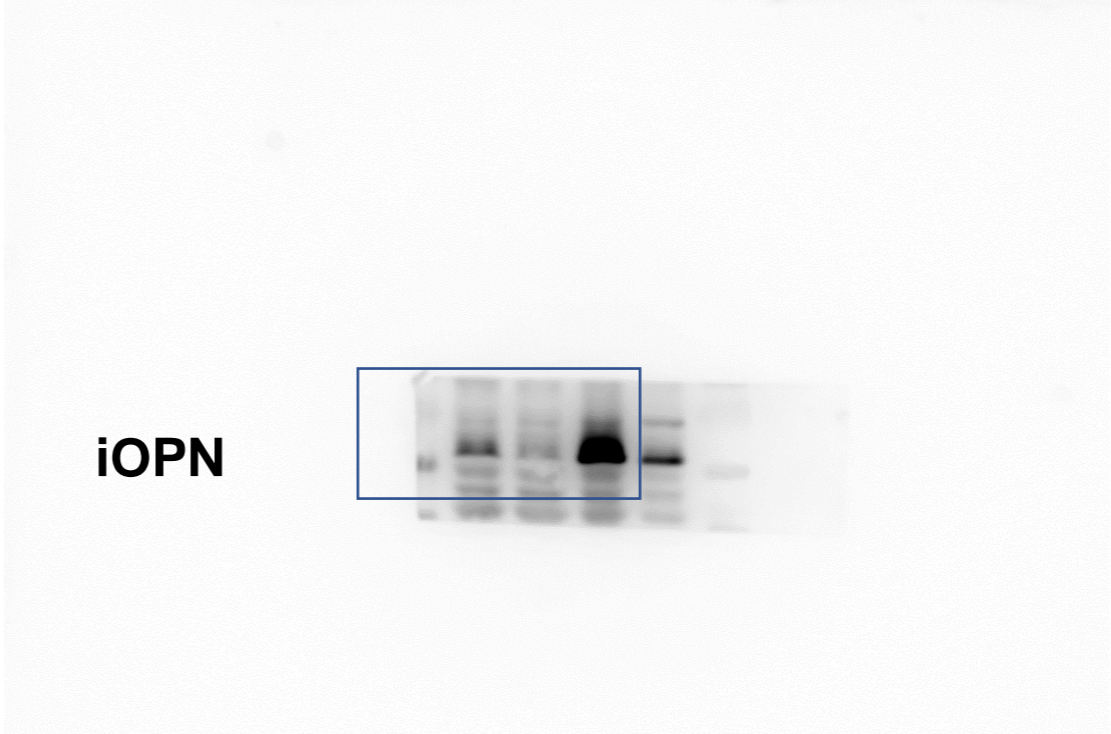
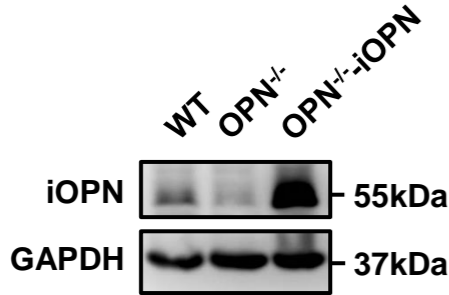
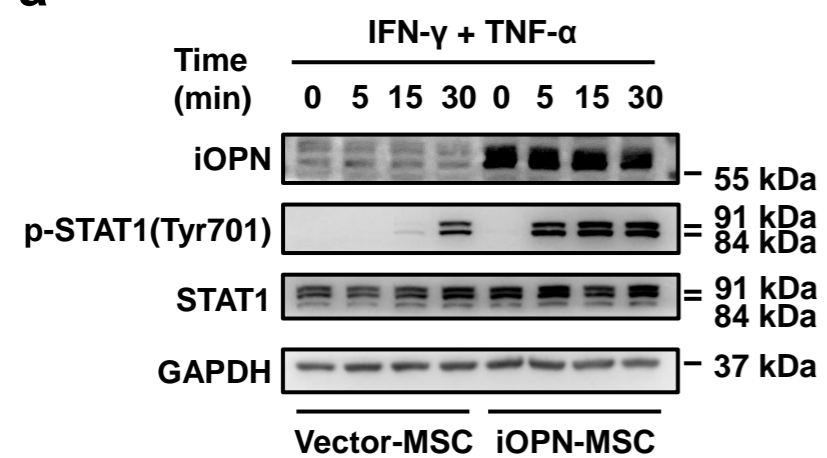
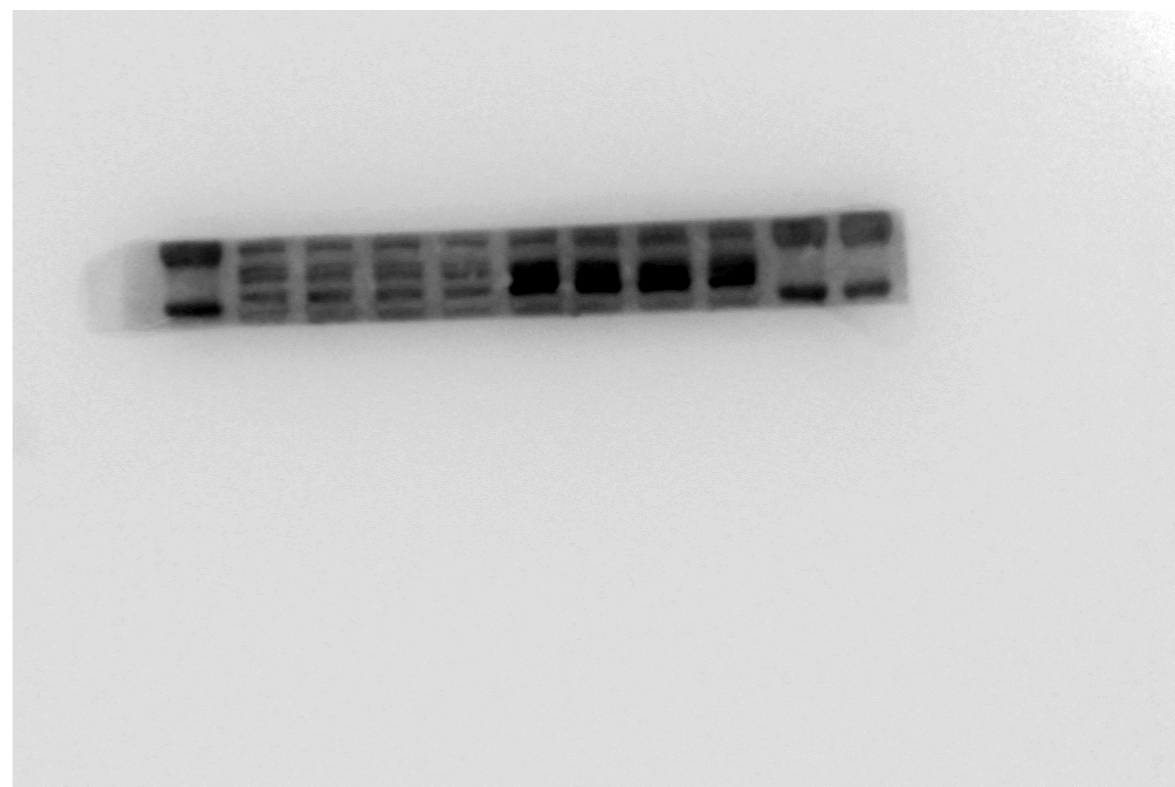


Figure 5

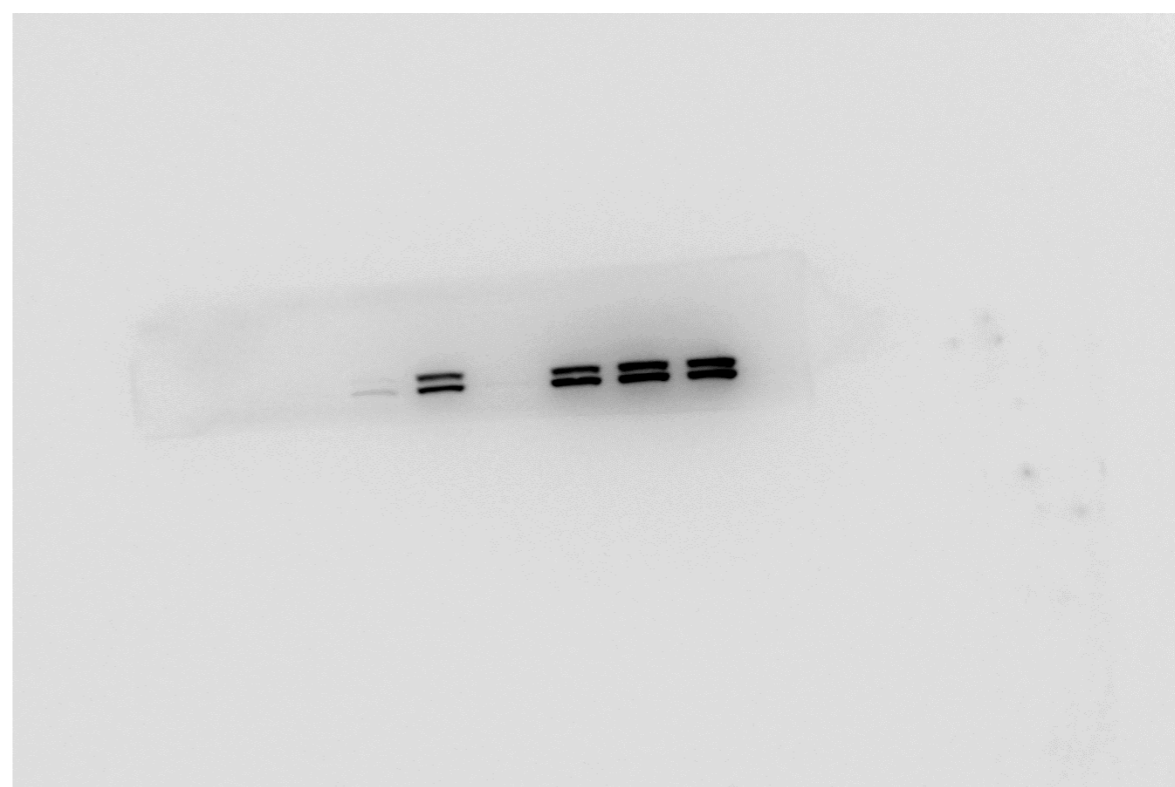
a



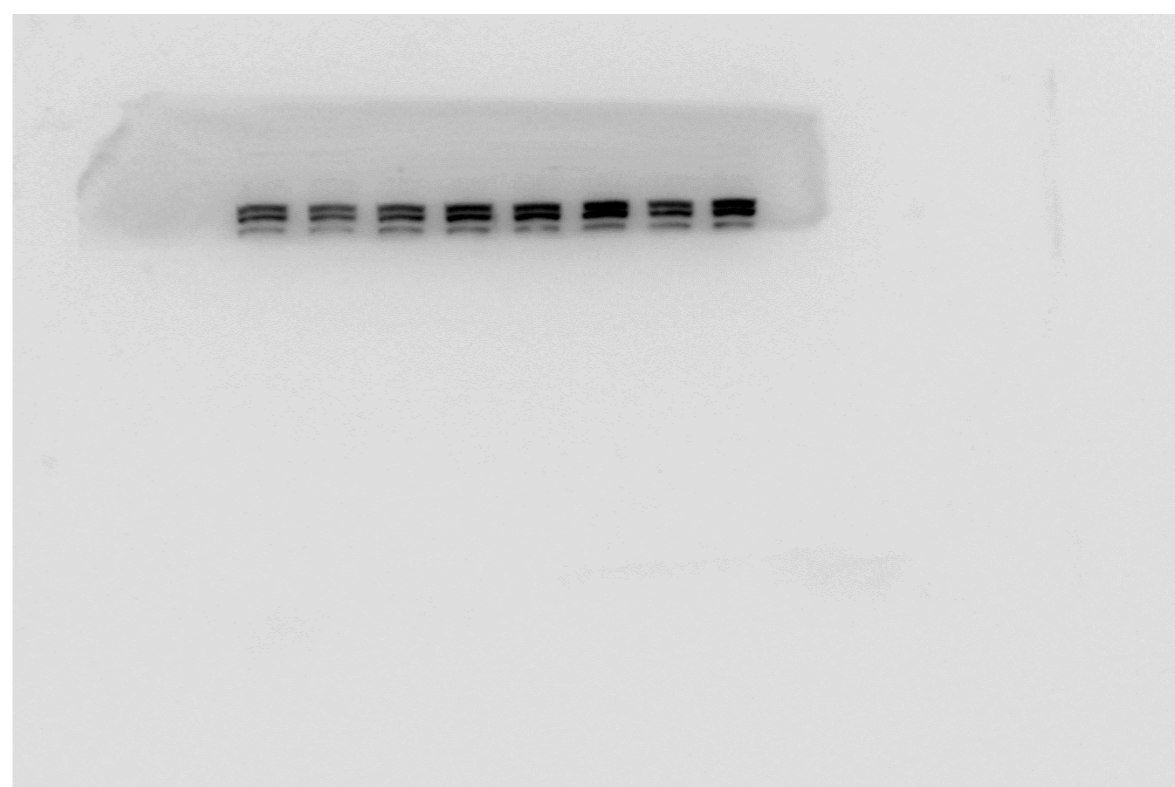
iOPN



P-STAT1(Tyr701)



T-STAT1



GAPDH

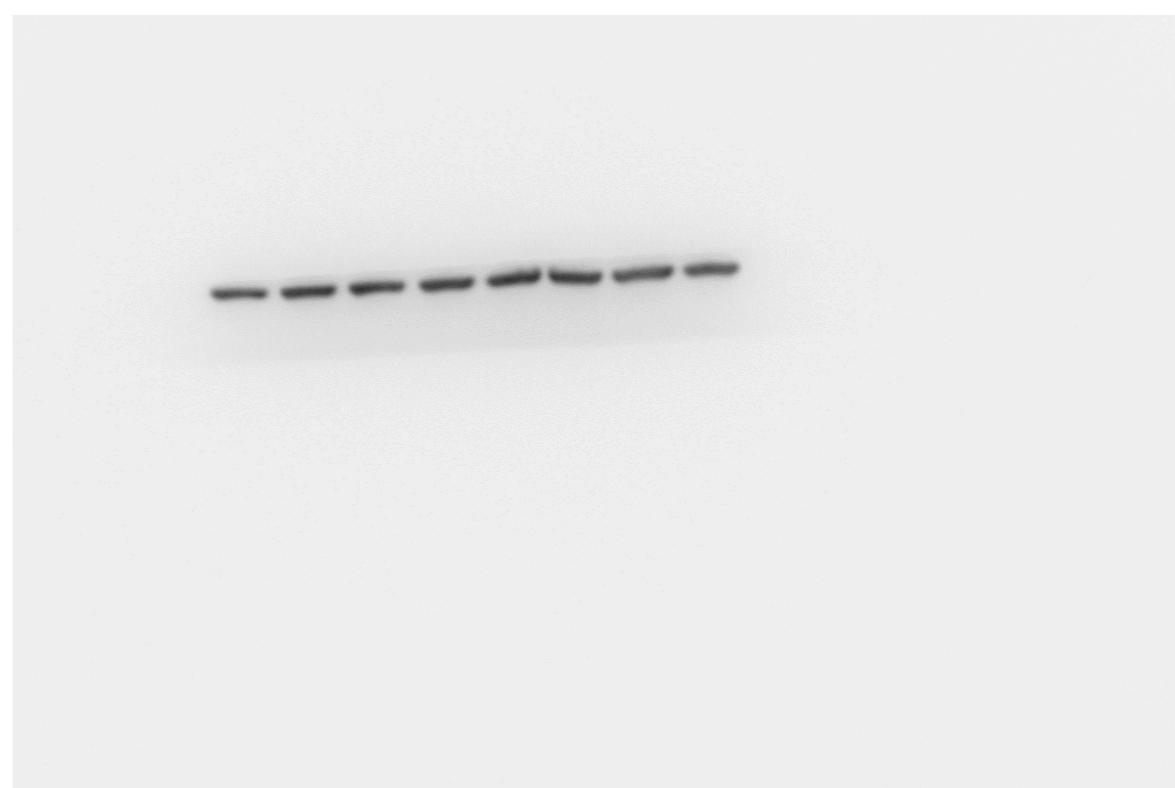
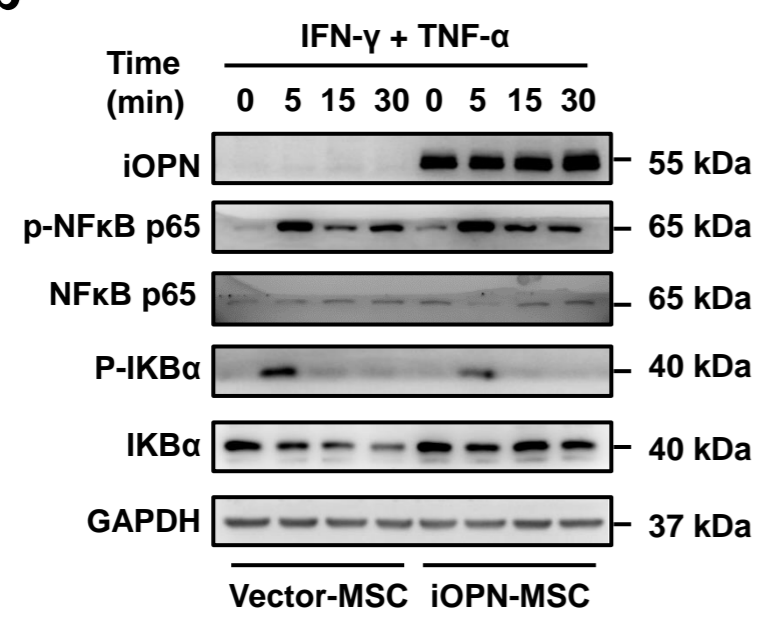
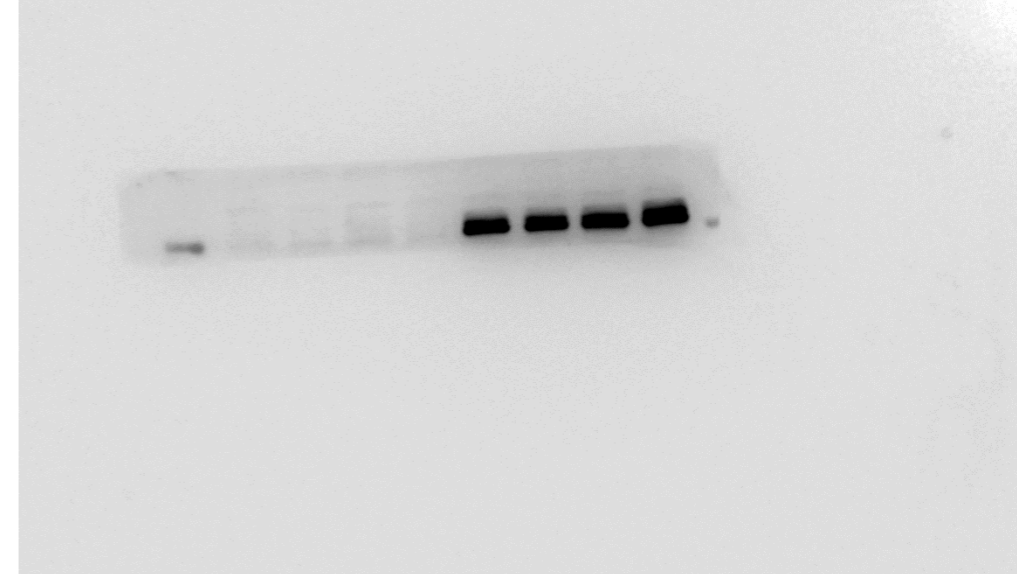


Figure 5

b



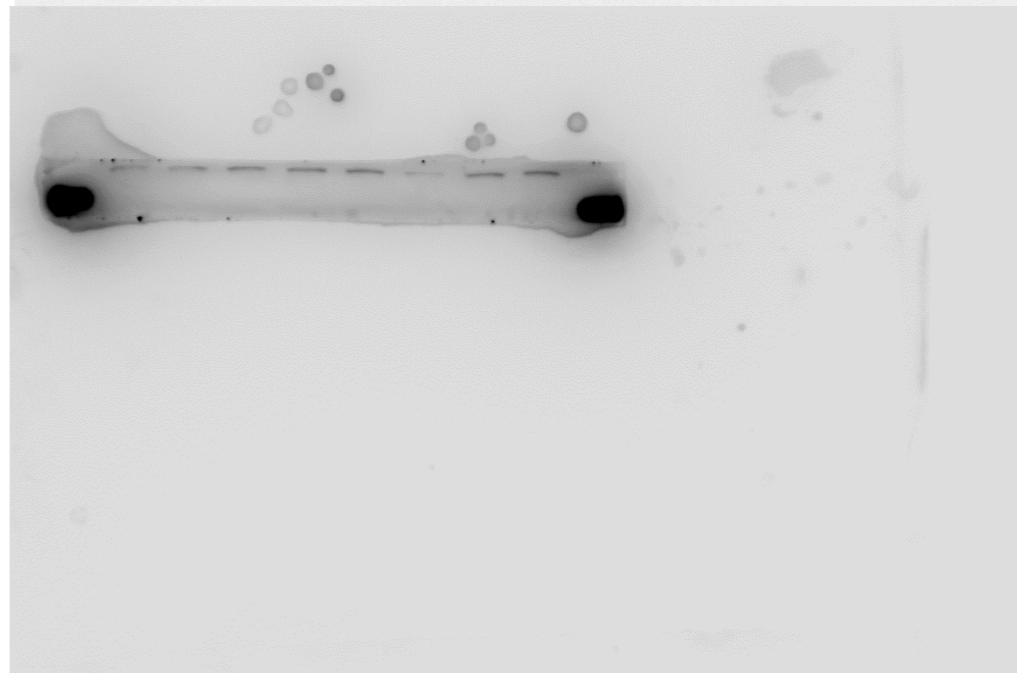
iOPN



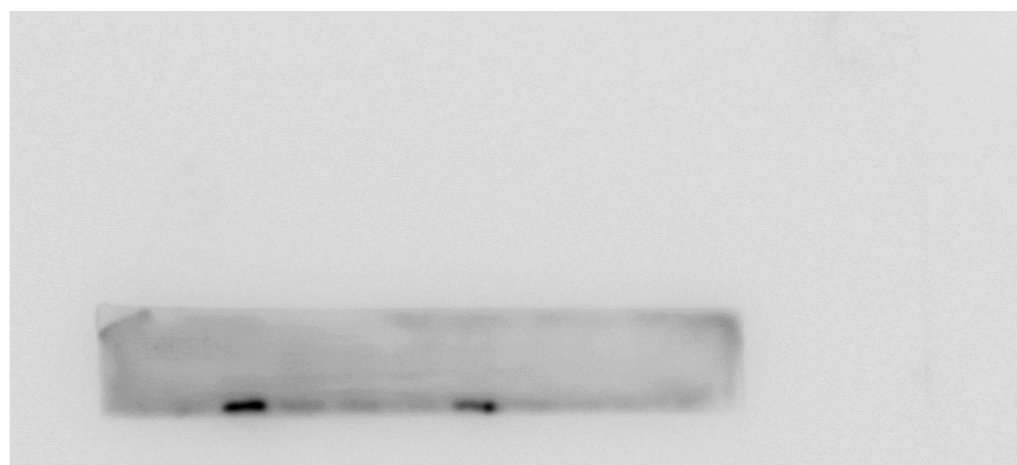
p-NF κ B p65



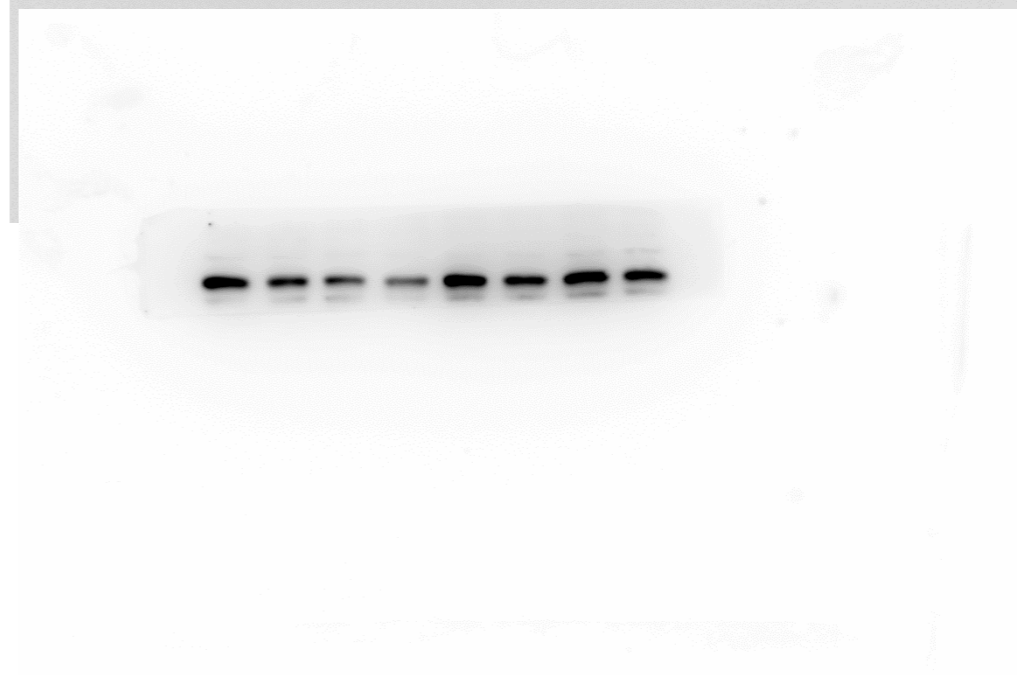
NF κ B p65



P-IK β



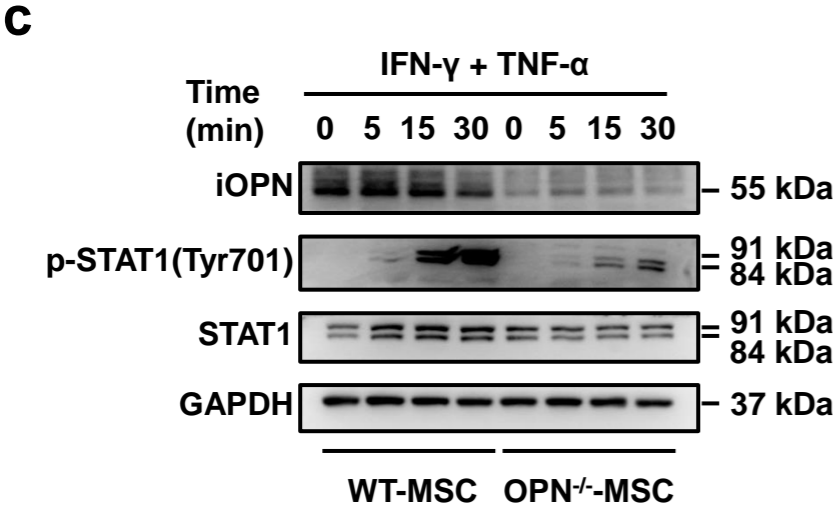
IK β



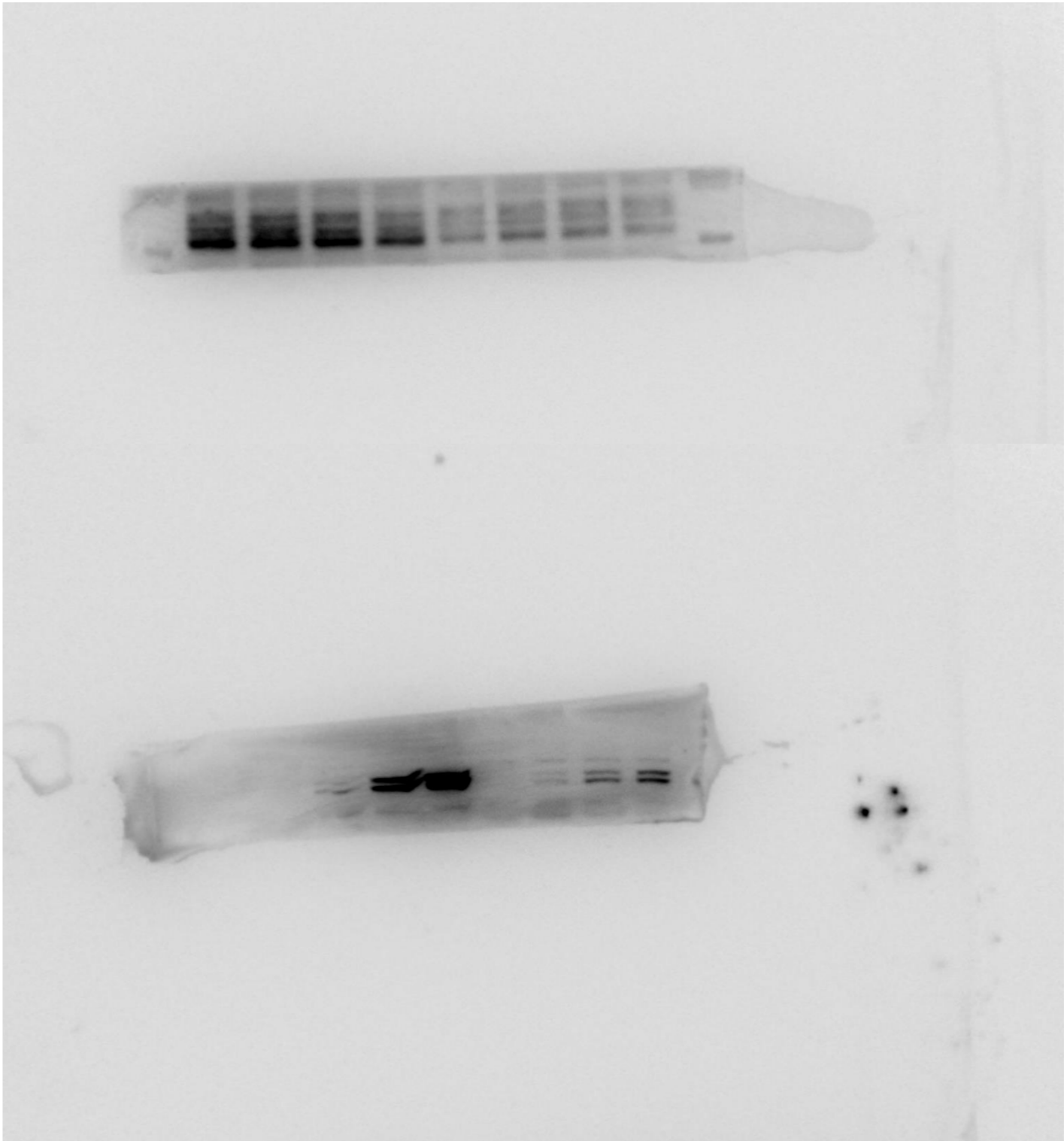
GAPDH



Figure 5



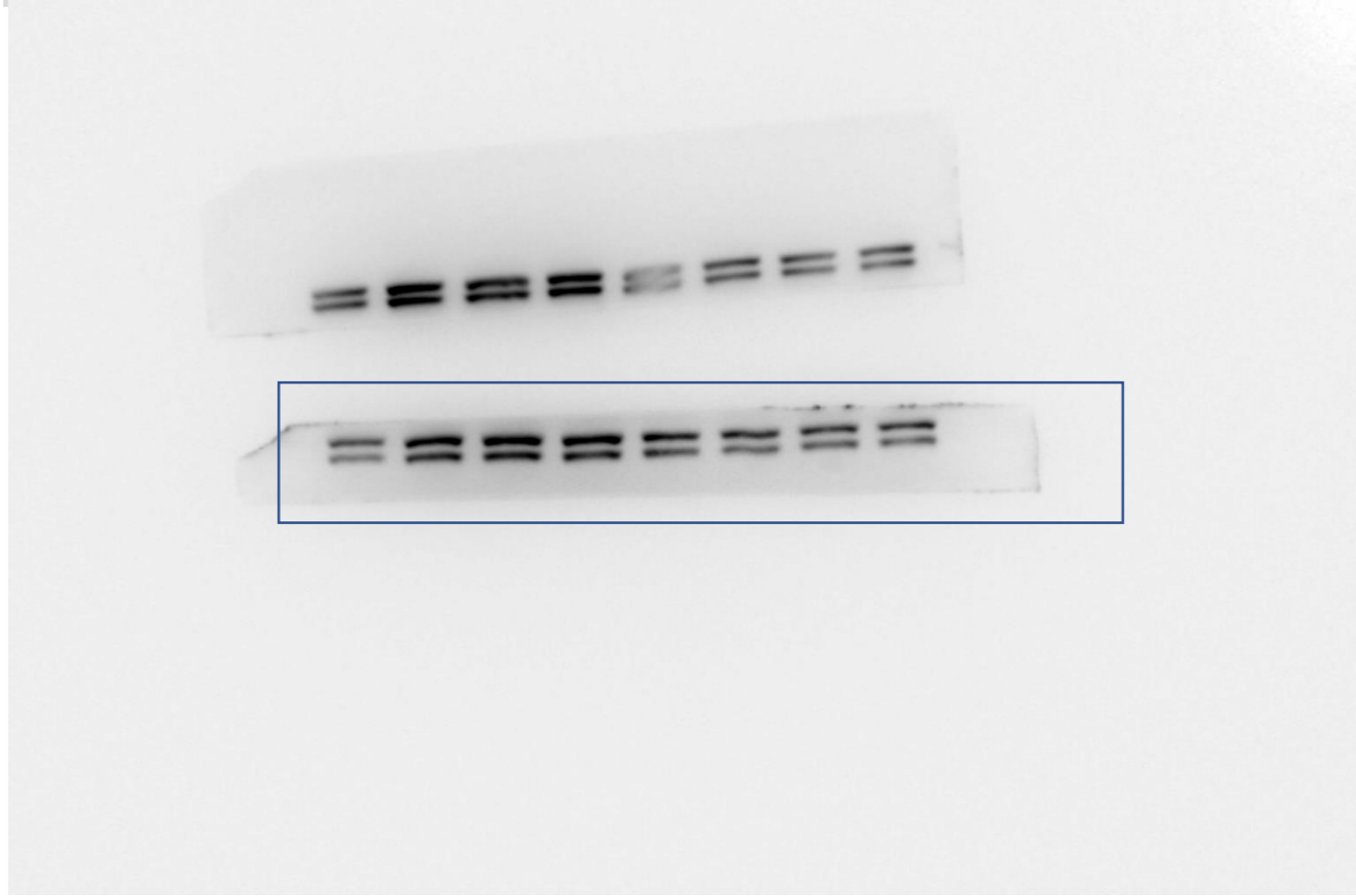
iOPN



P-STAT1(Tyr701)



STAT1



GAPDH

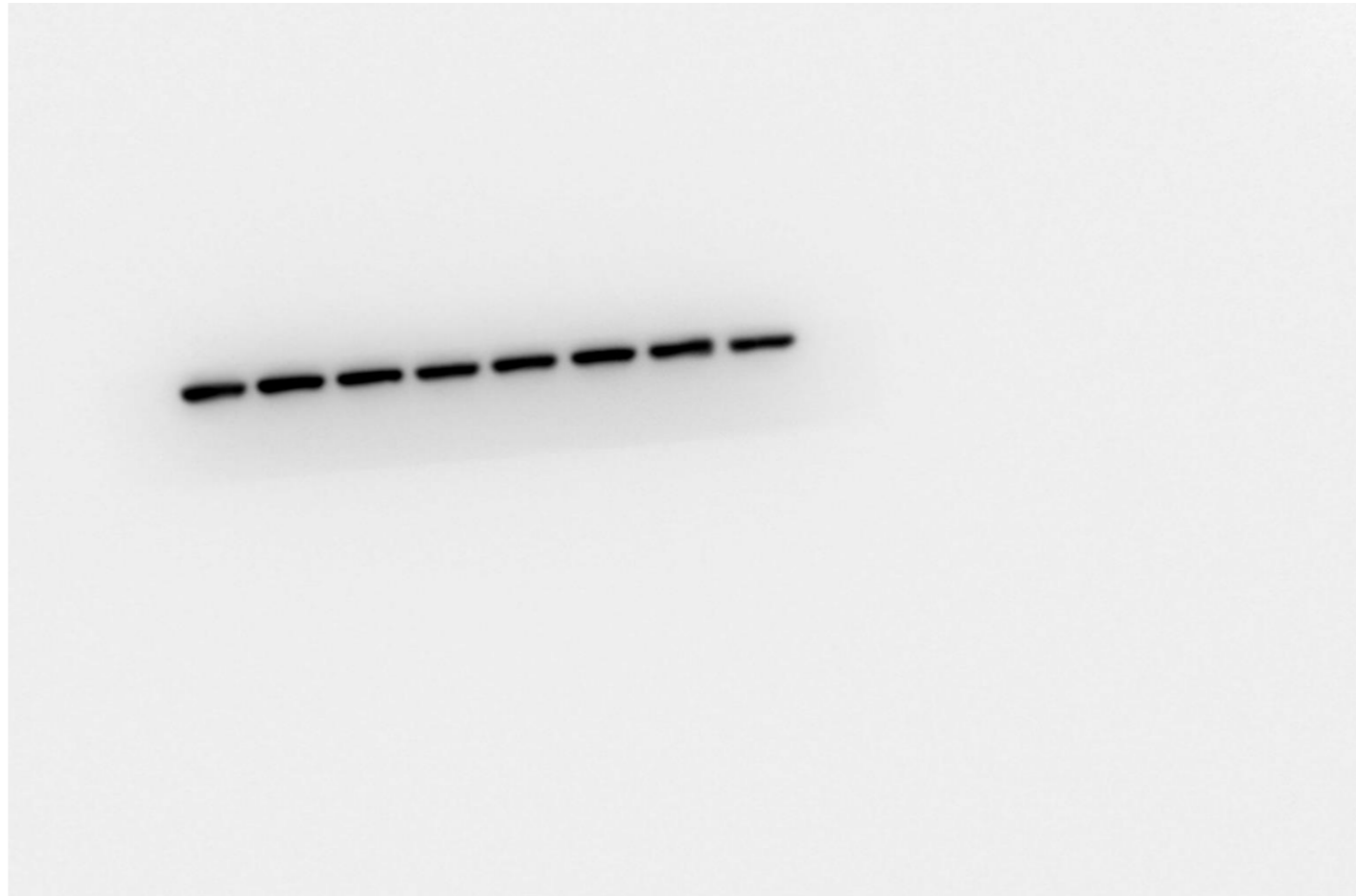
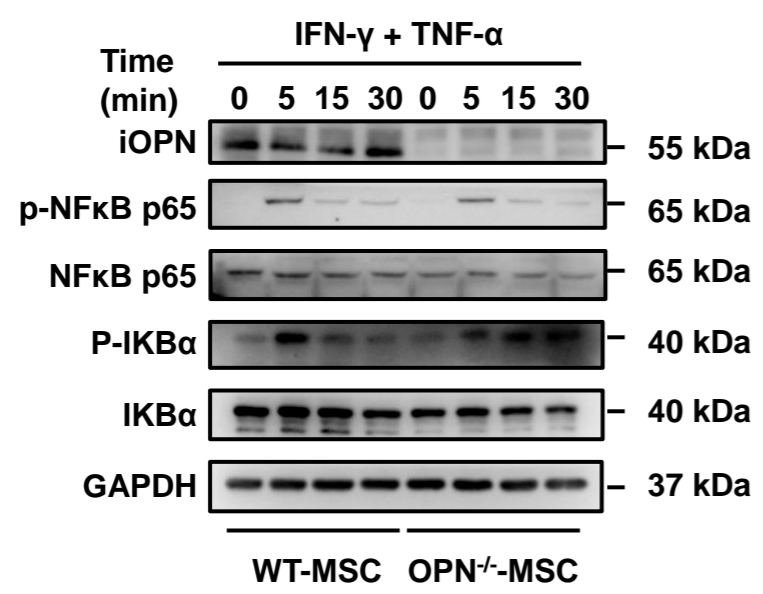
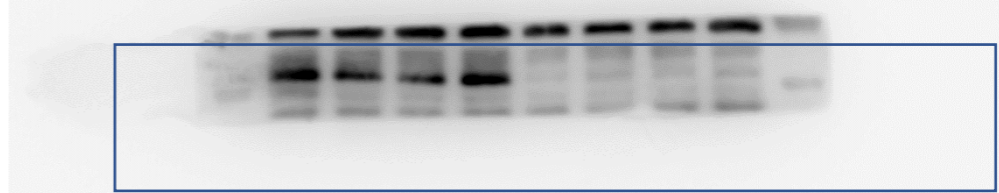


Figure 5

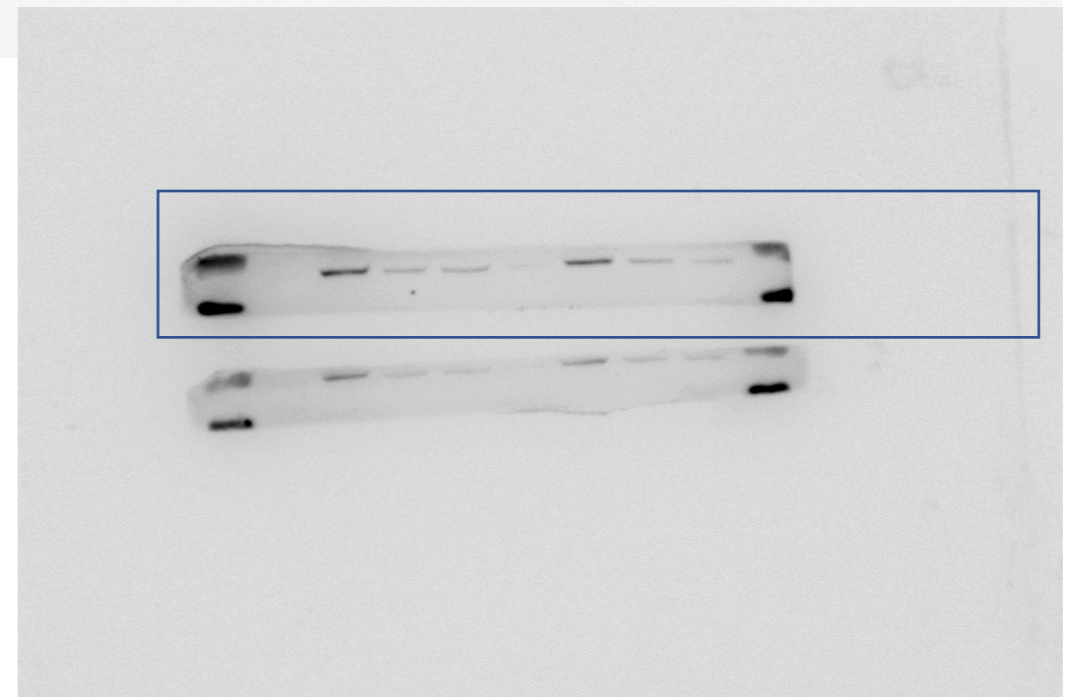
d



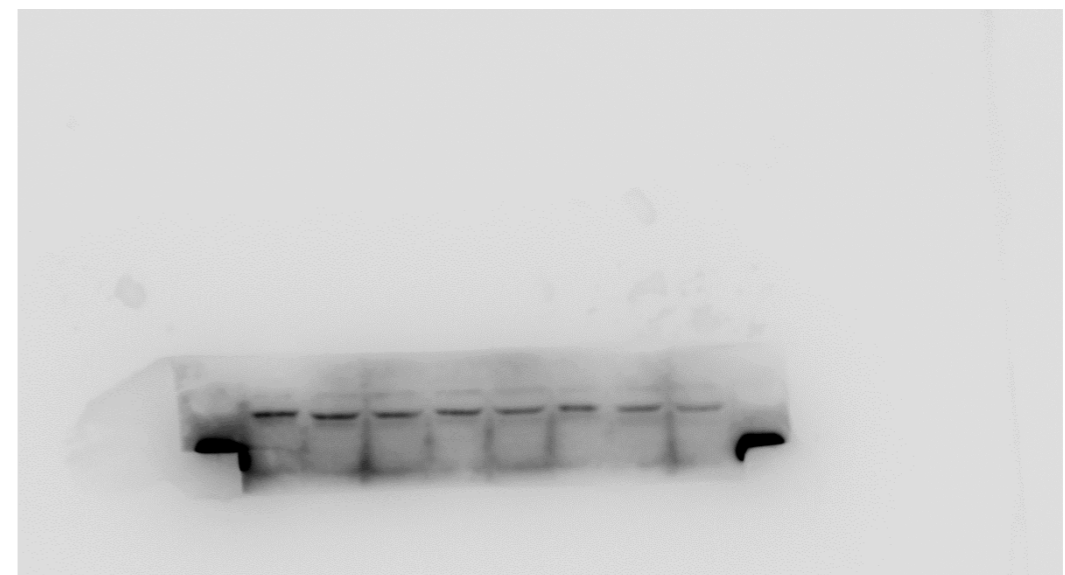
iOPN



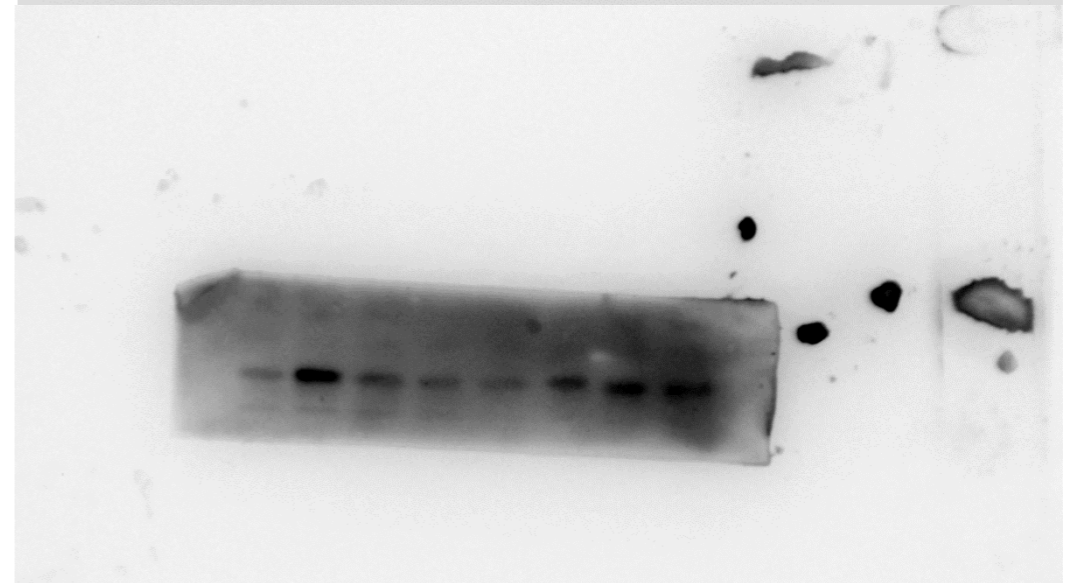
p-NF κ B p65



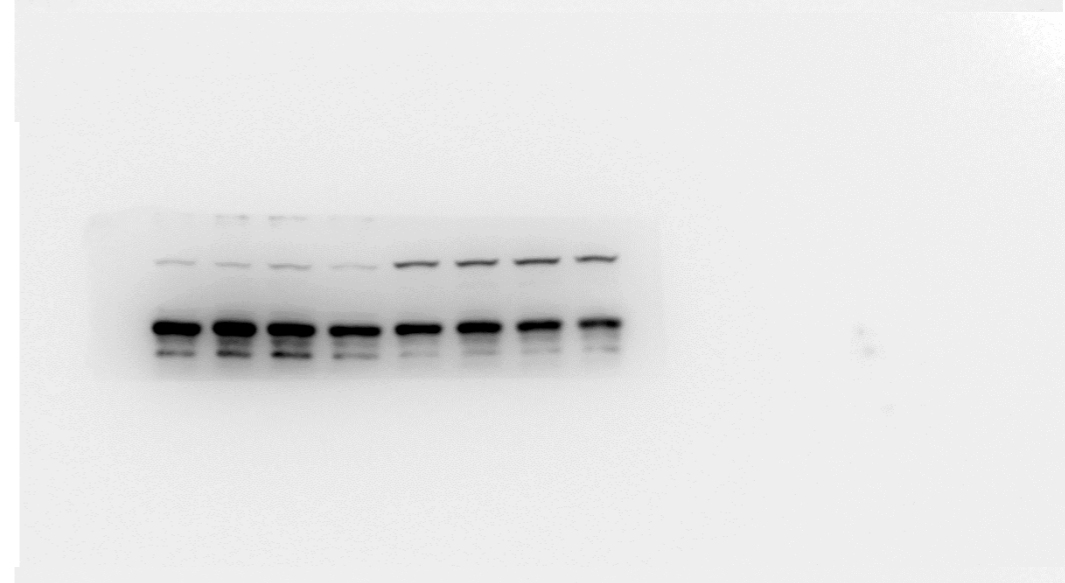
NF κ B p65



P-IK β



IK β



GAPDH

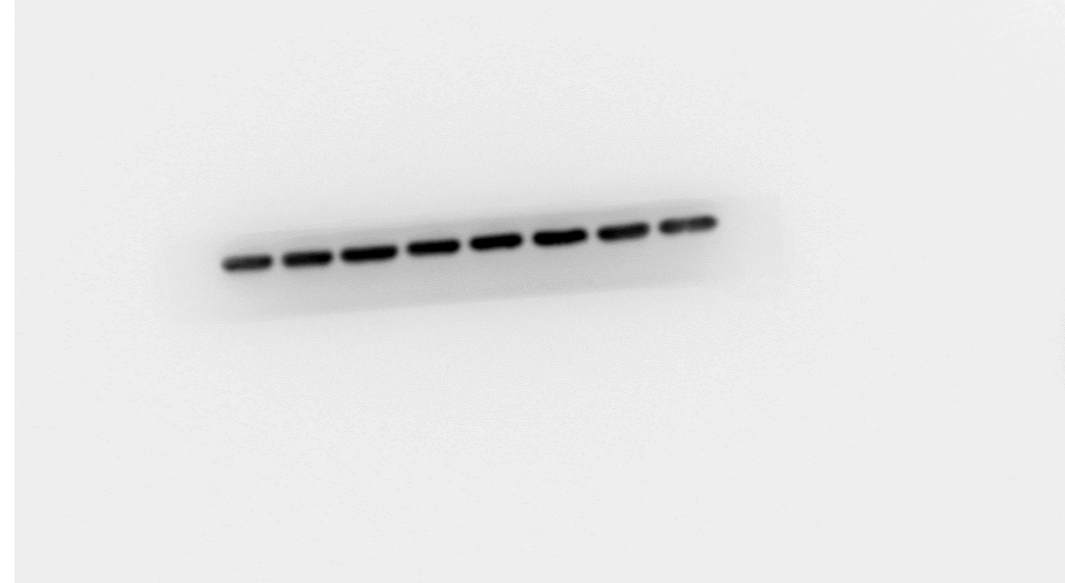
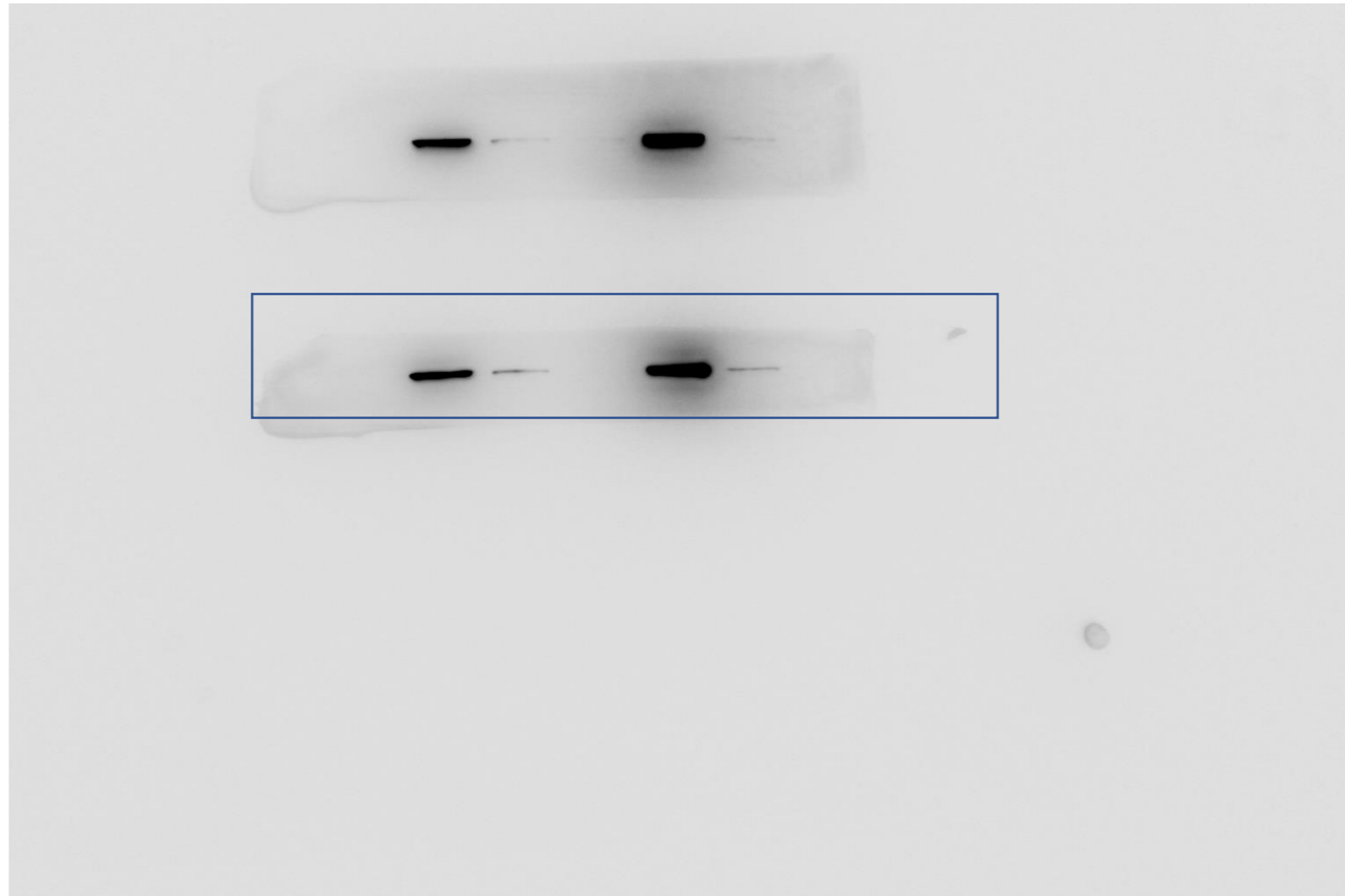


Figure 5

f

| | Vector-MSC | | | iOPN-MSC | | | |
|-------------------------------|------------|---|---|----------|---|---|---------|
| TNF- α + IFN- γ | - | + | + | - | + | + | |
| Flu | - | - | + | - | - | + | |
| iNOS | | | | | | | 130 kDa |
| GAPDH | | | | | | | 37 kDa |

iNOS



GAPDH



Figure 6

a

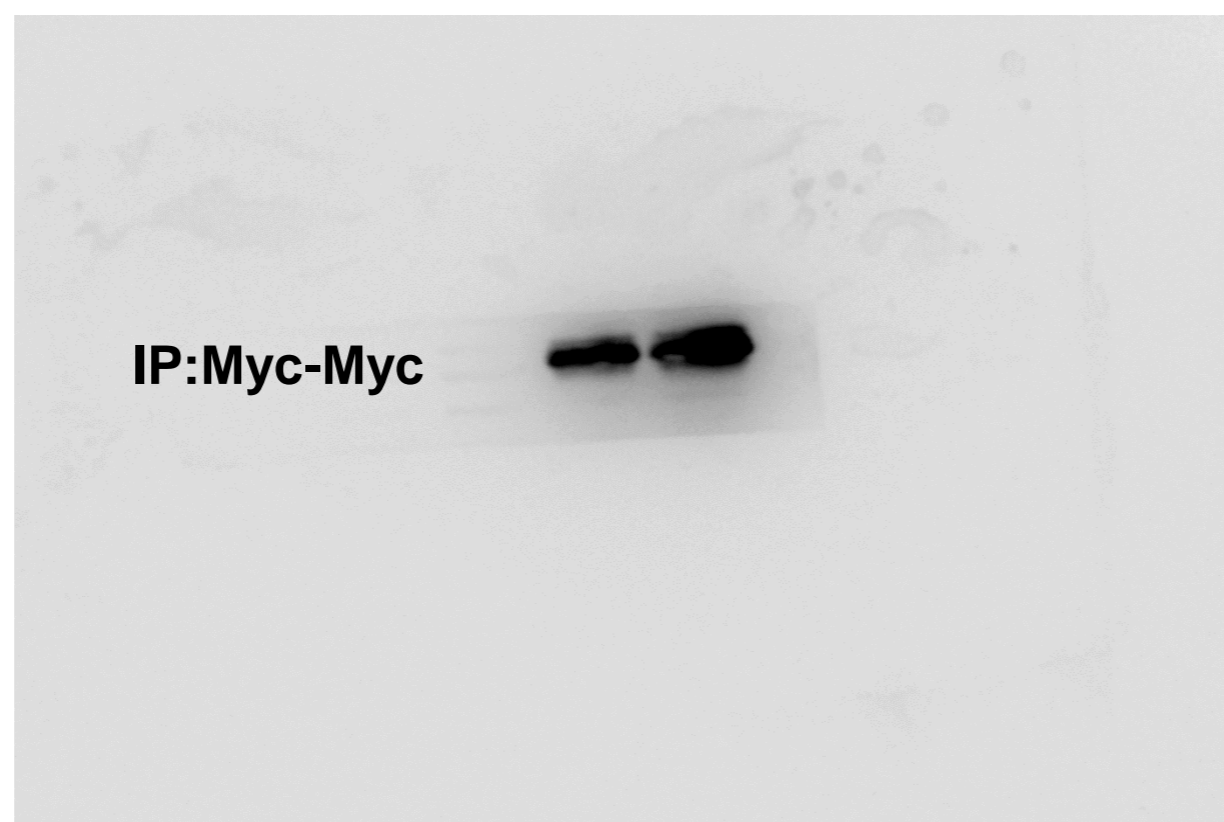
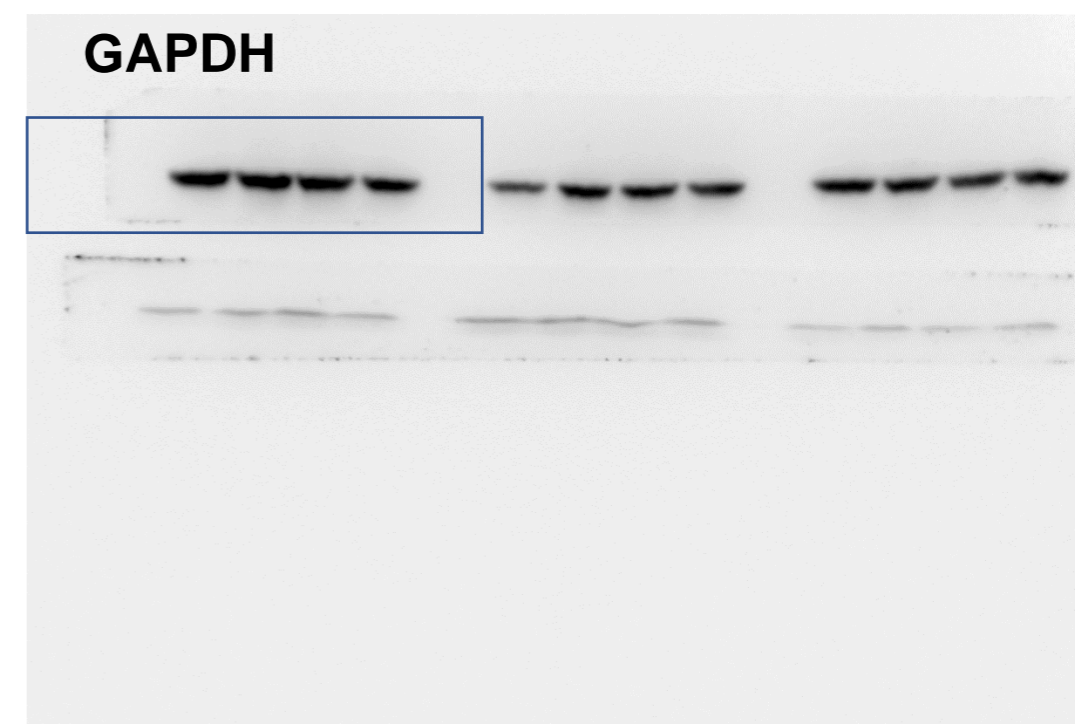
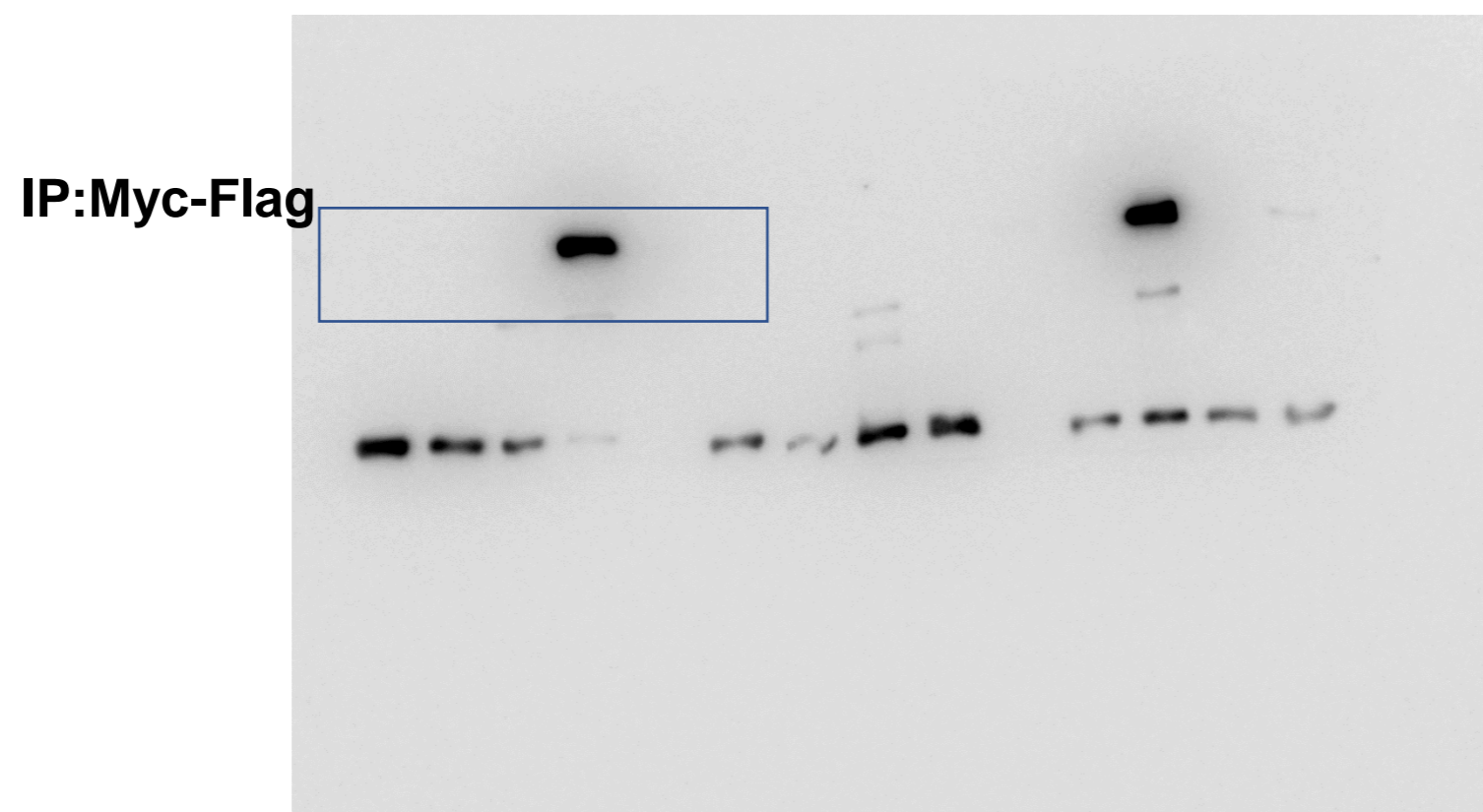
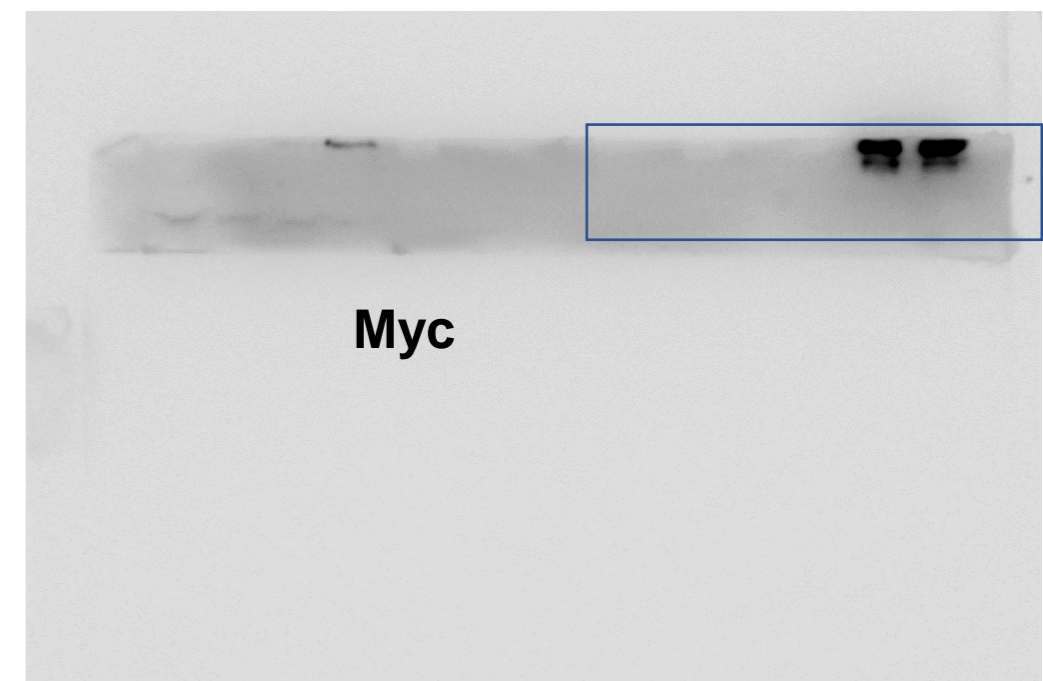
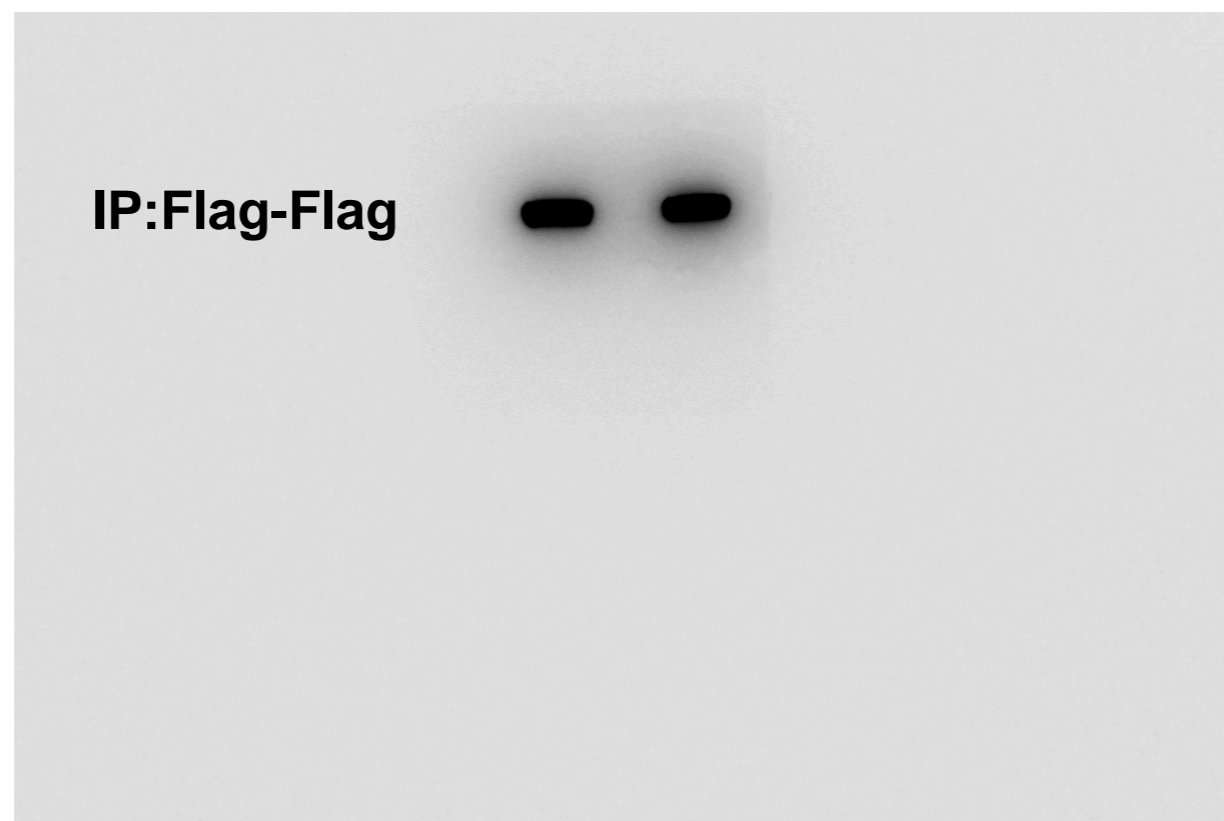
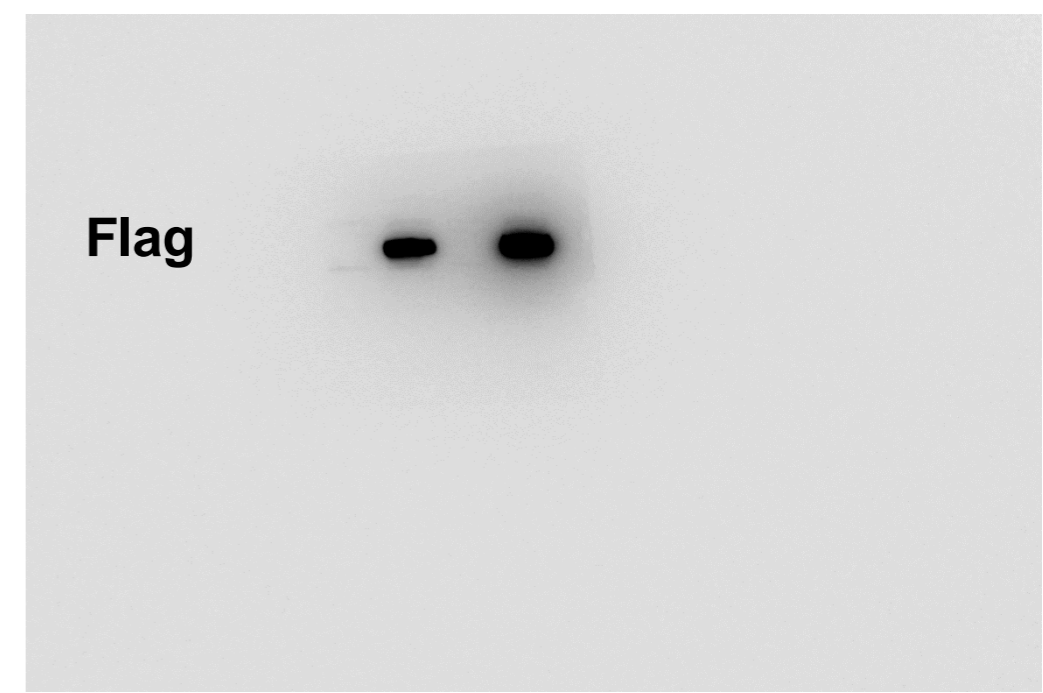
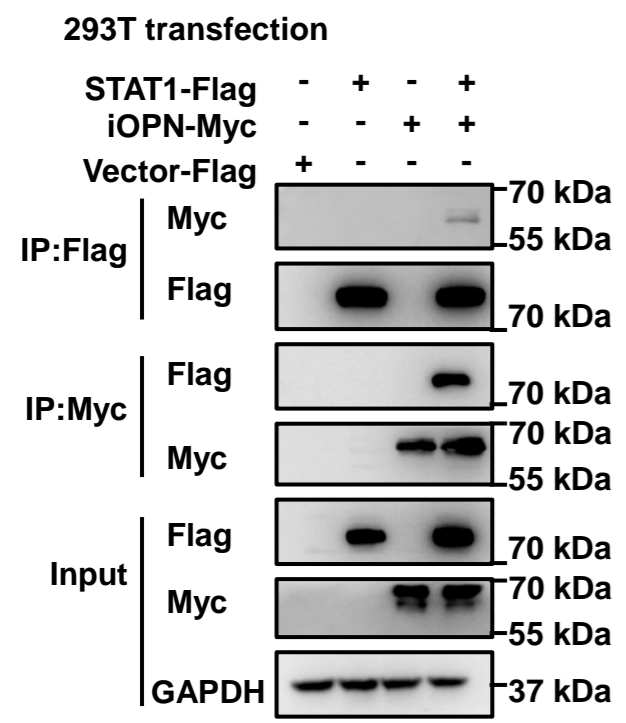


Figure 6

b

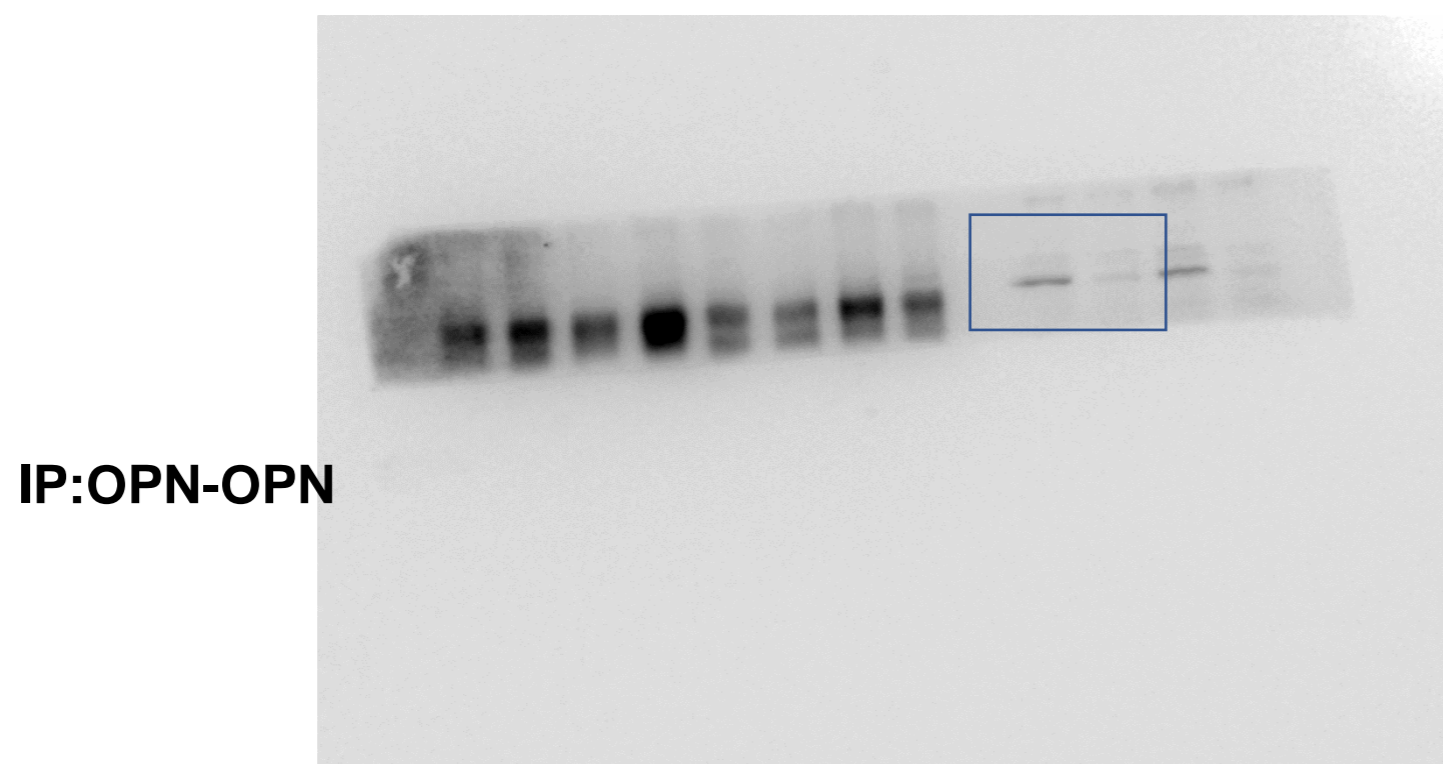
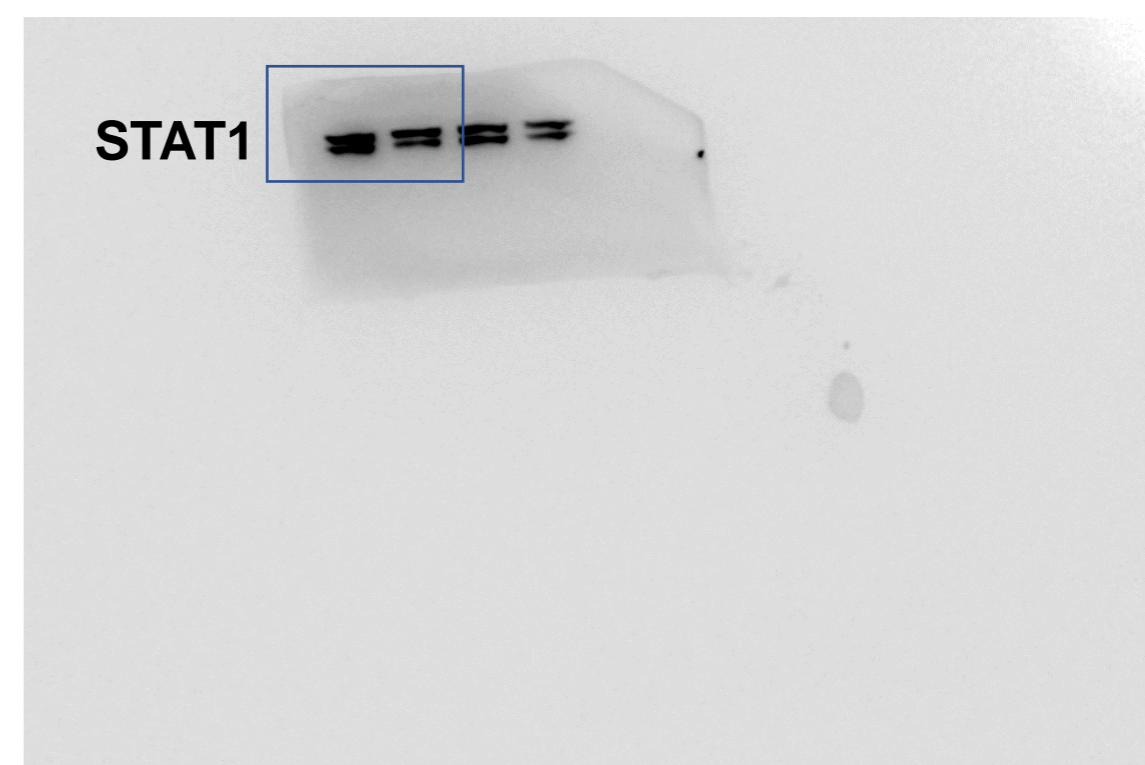
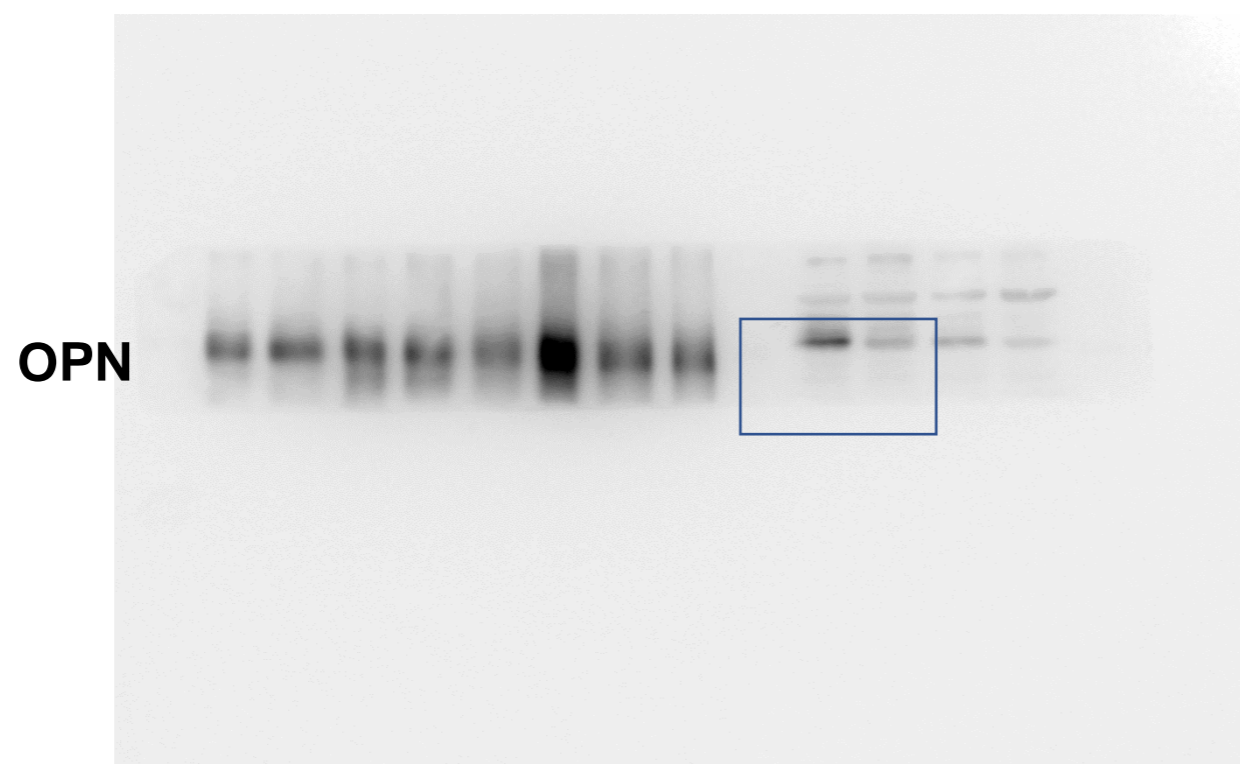
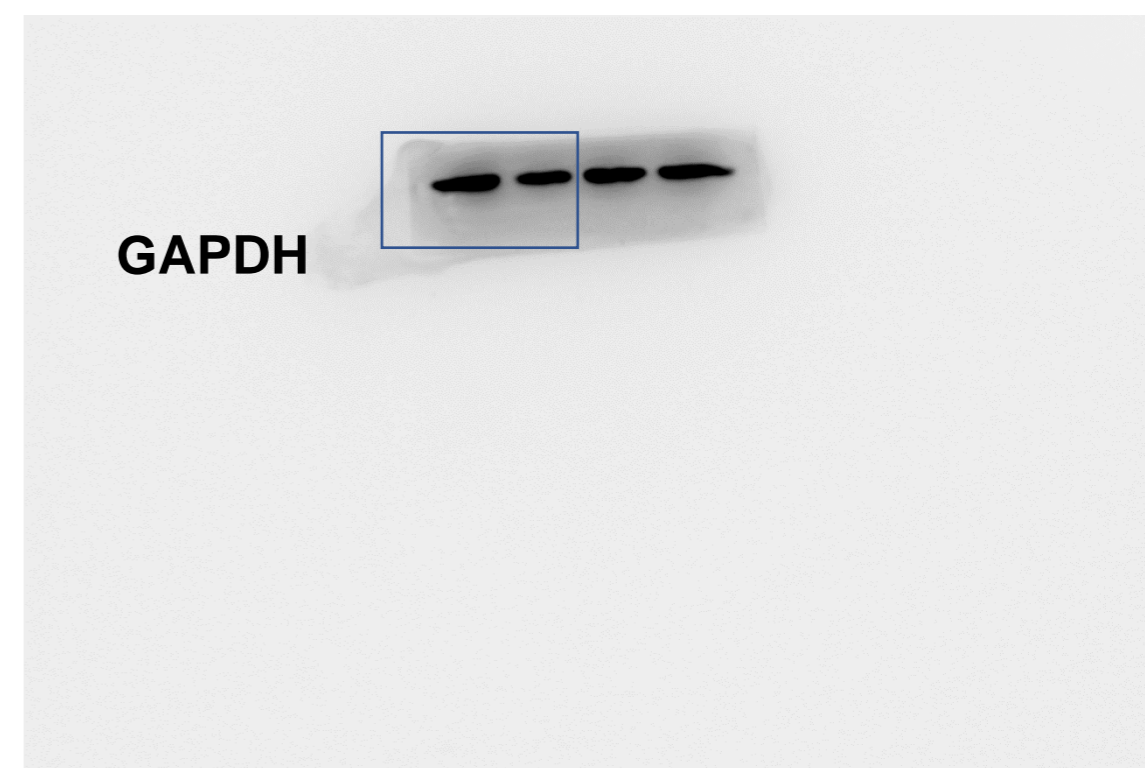
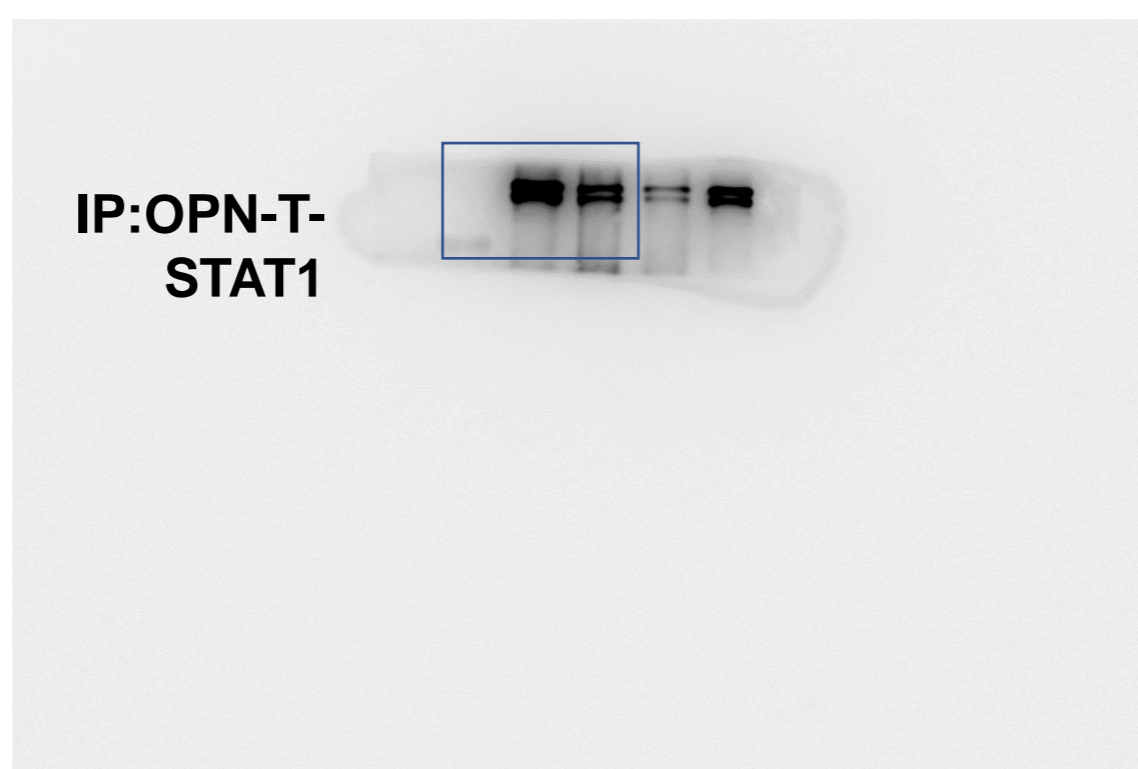
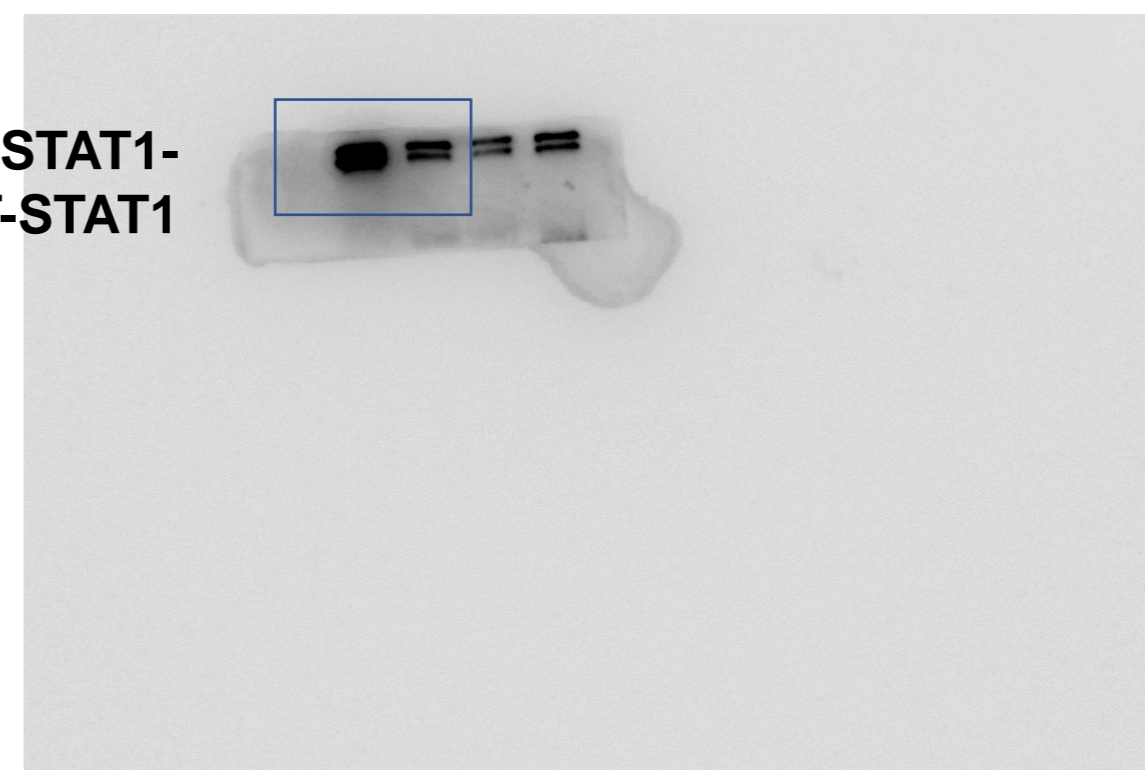
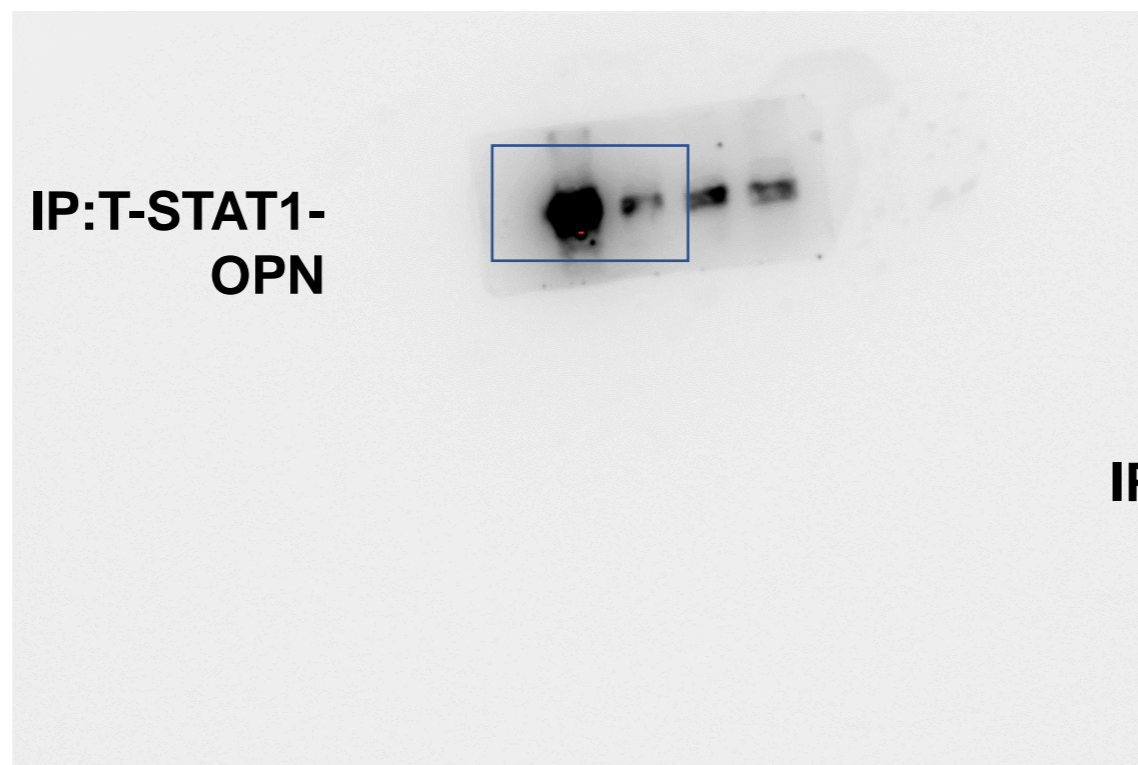
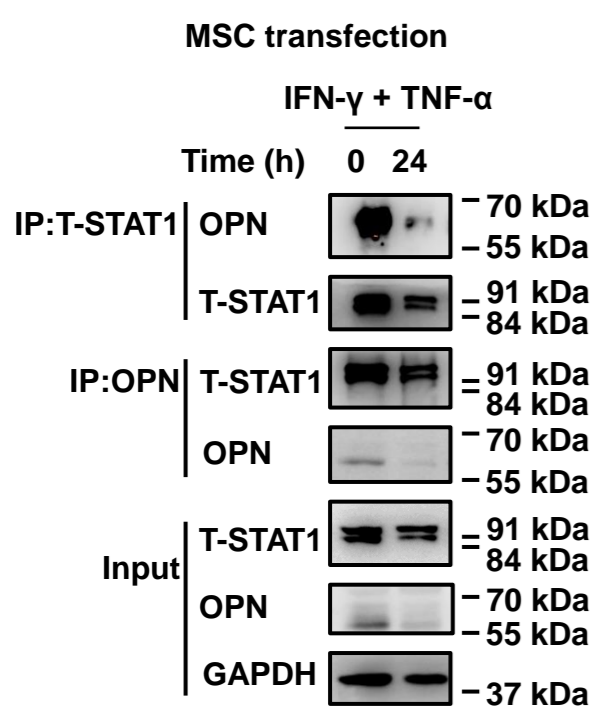
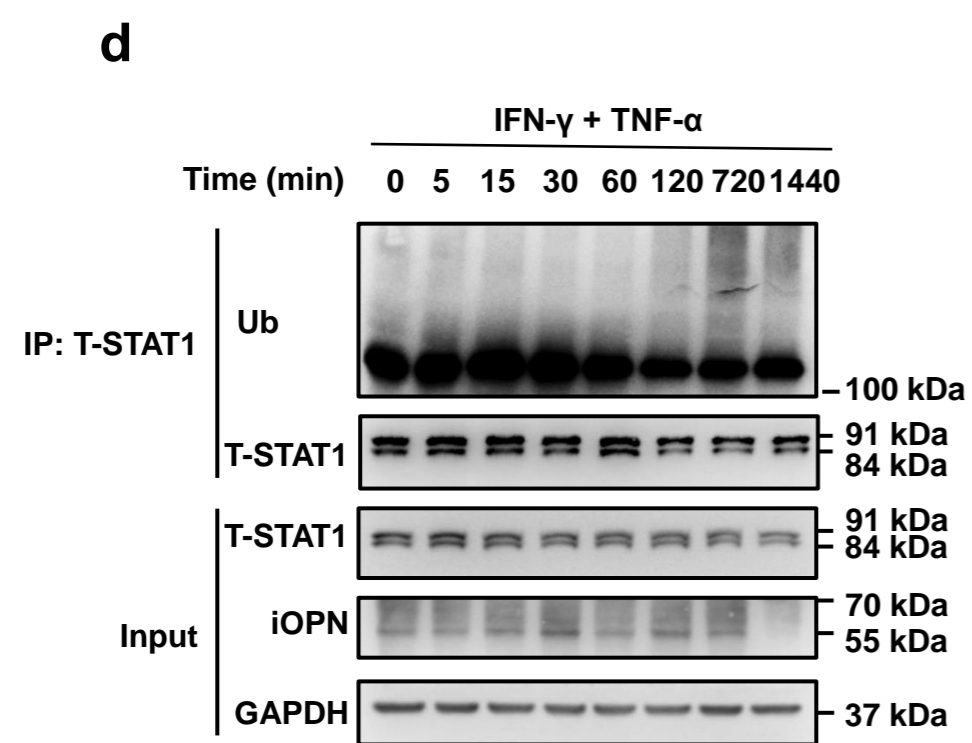
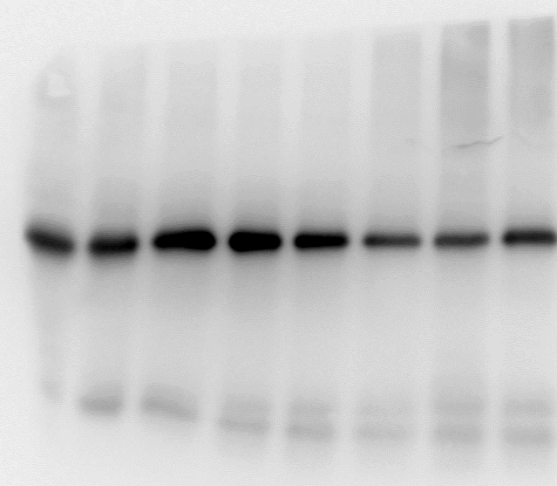


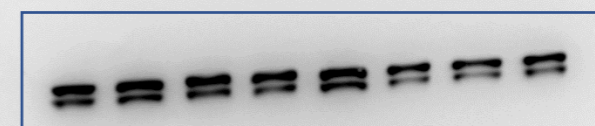
Figure 6



**IP:T-STAT1-
Ub**



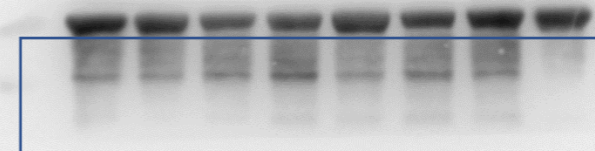
**IP:T-STAT1-
T-STAT1**



T-STAT1



iOPN



GAPDH

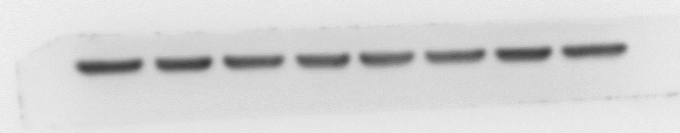
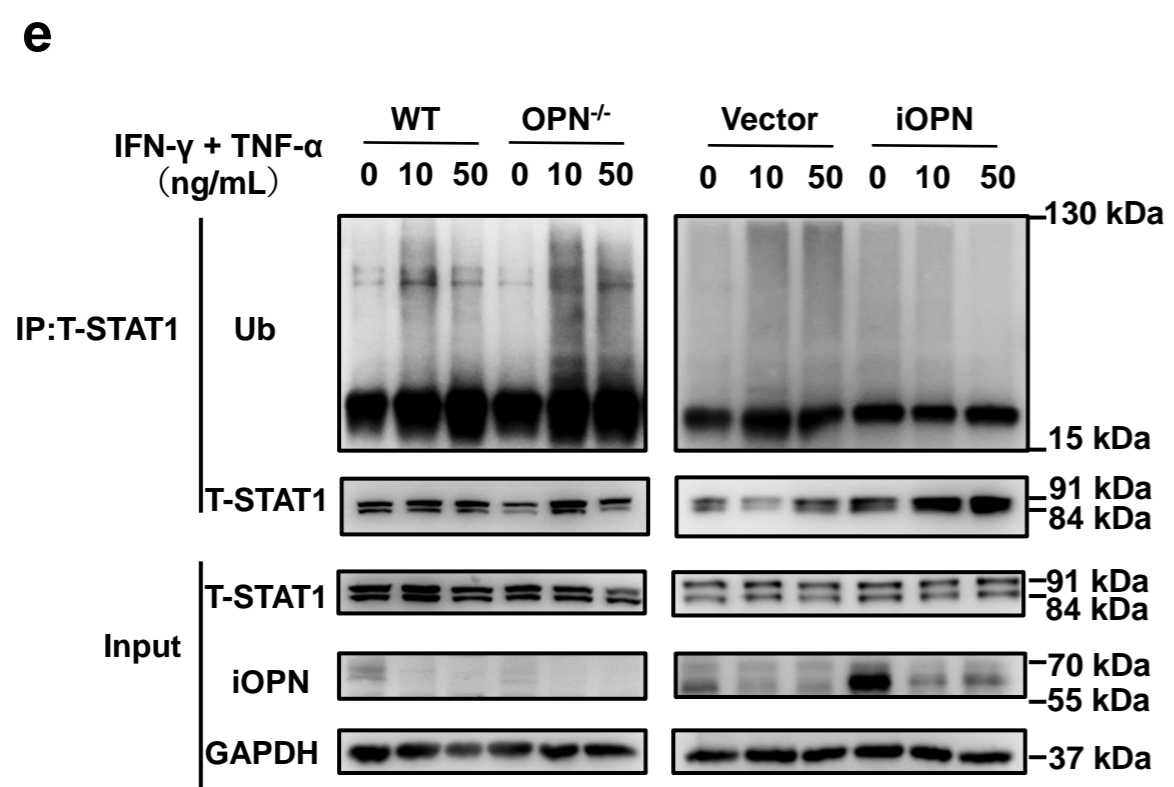
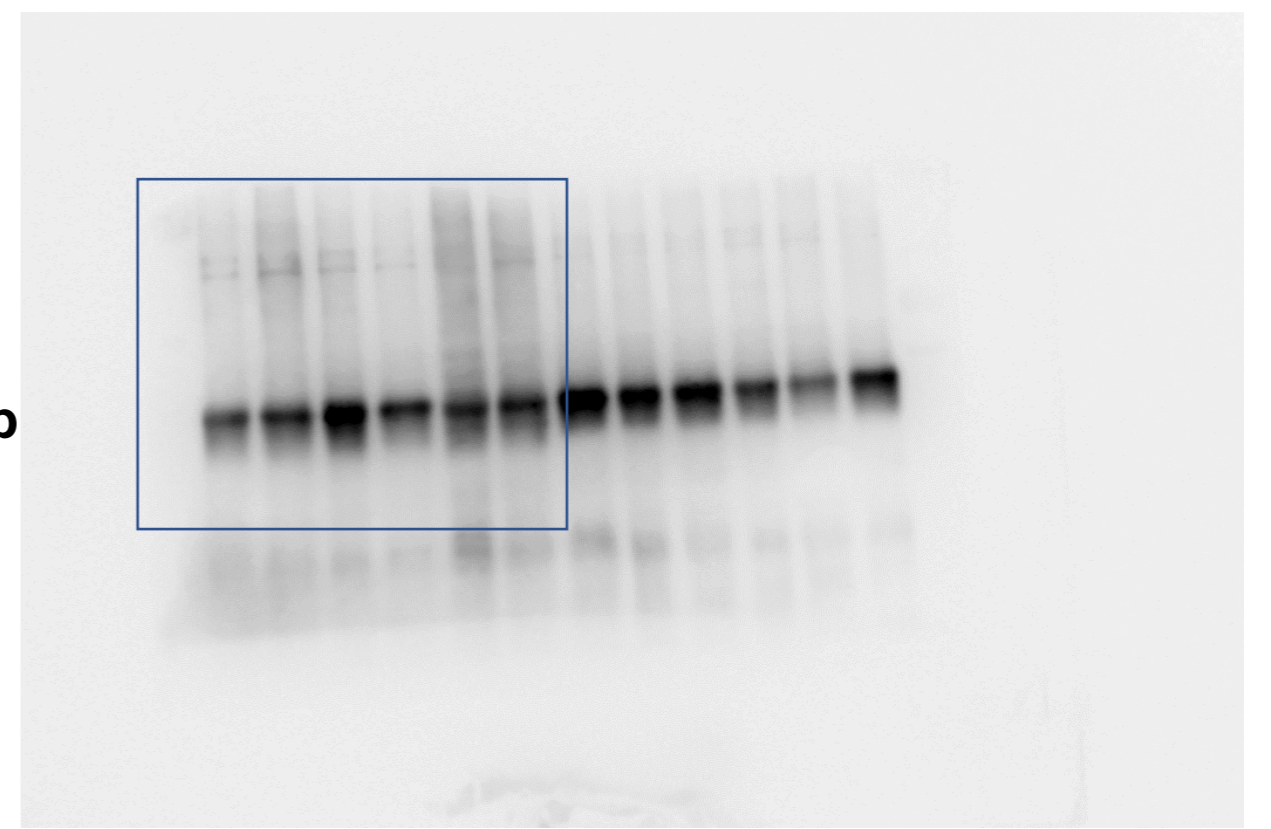


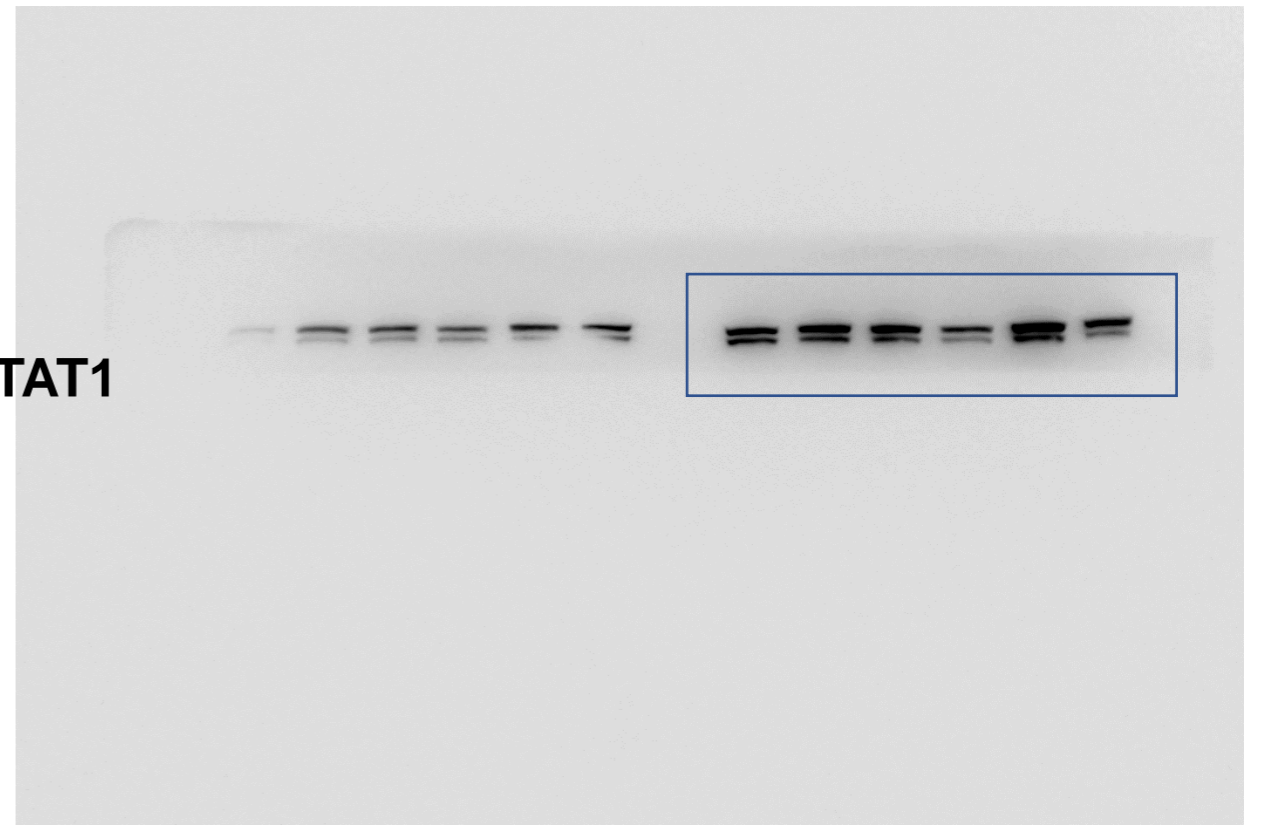
Figure 6



IP:T-STAT1-Ub



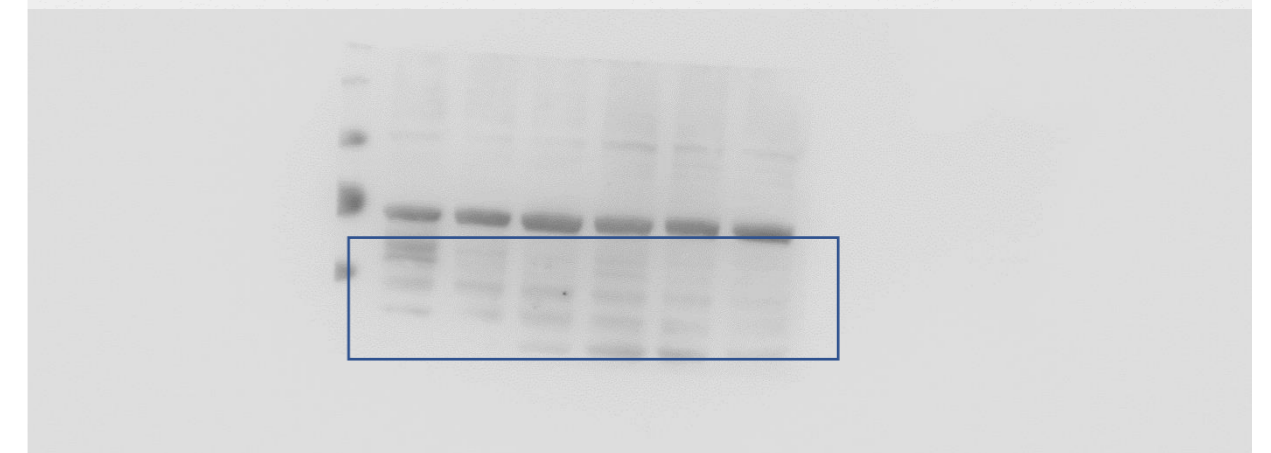
IP:T-STAT1-T-STAT1



T-STAT1



iOPN



GAPDH

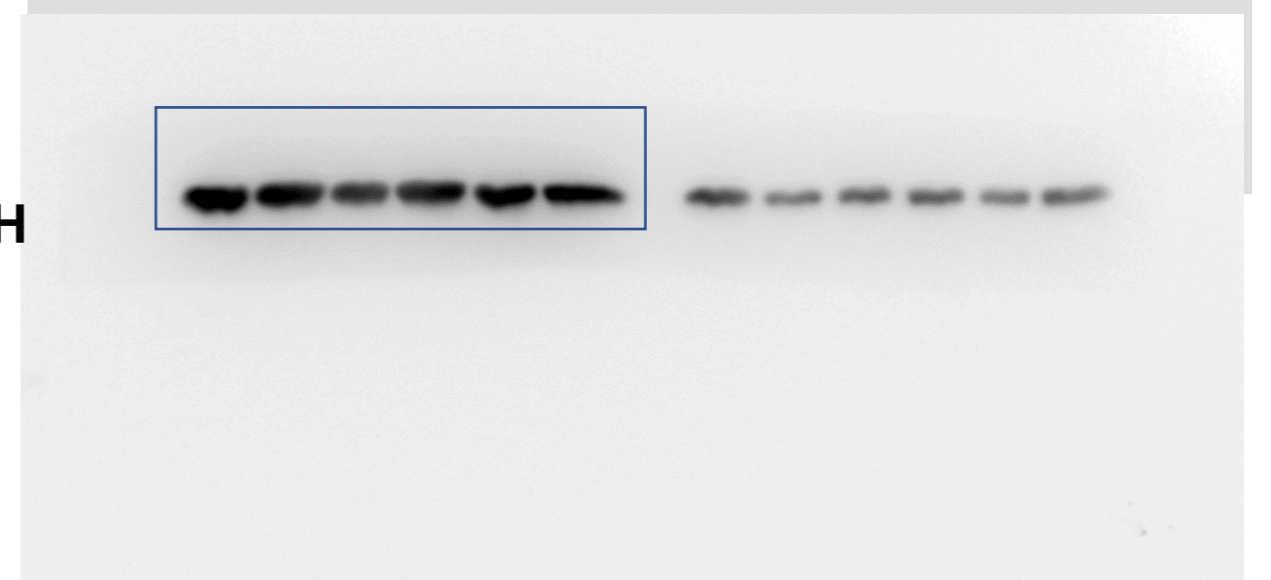
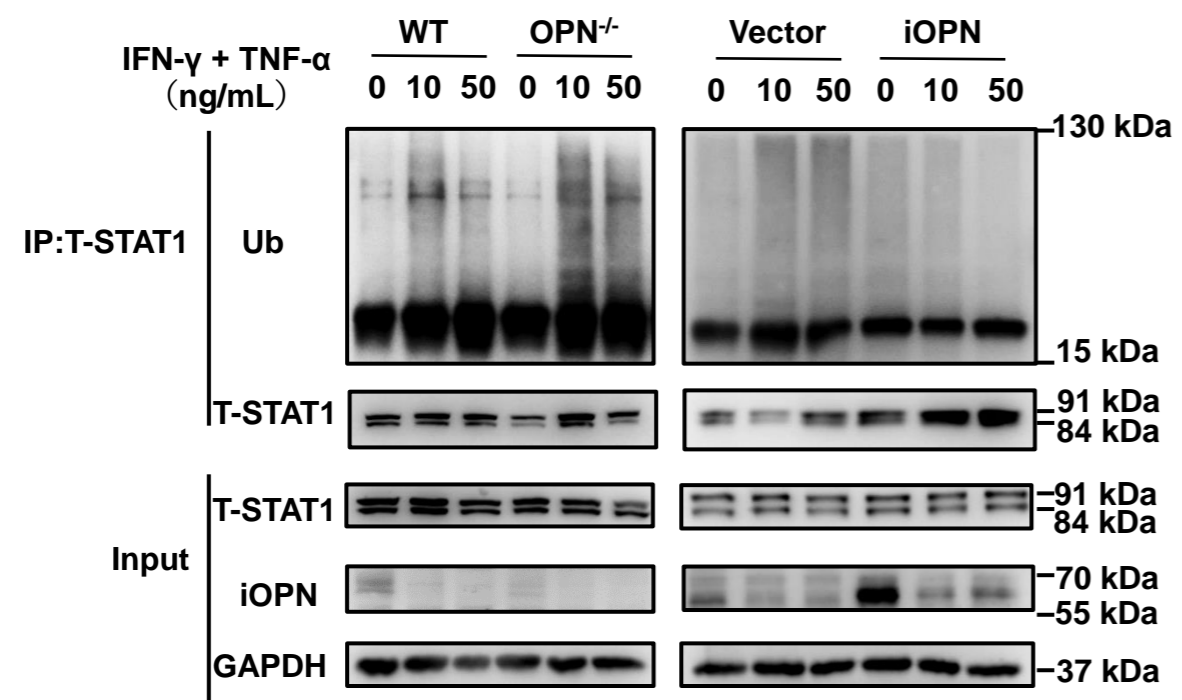
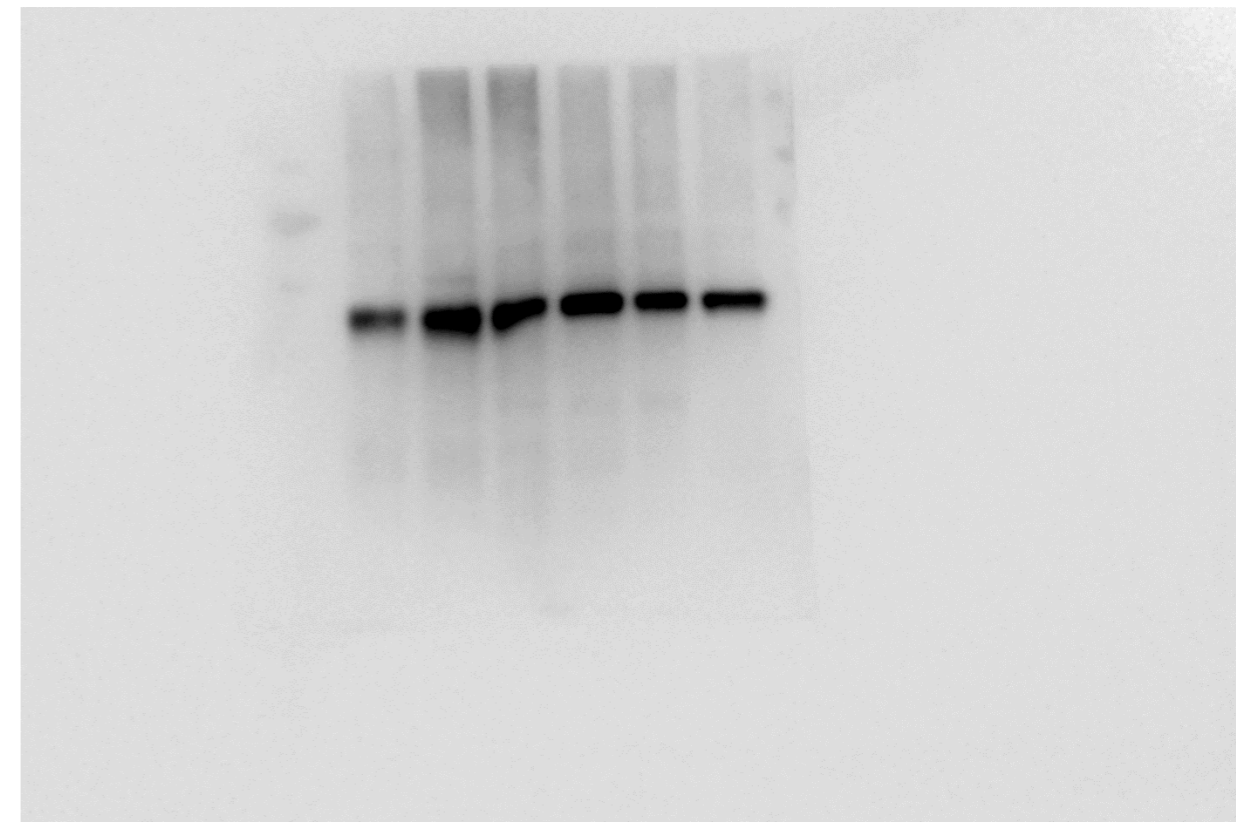


Figure 6

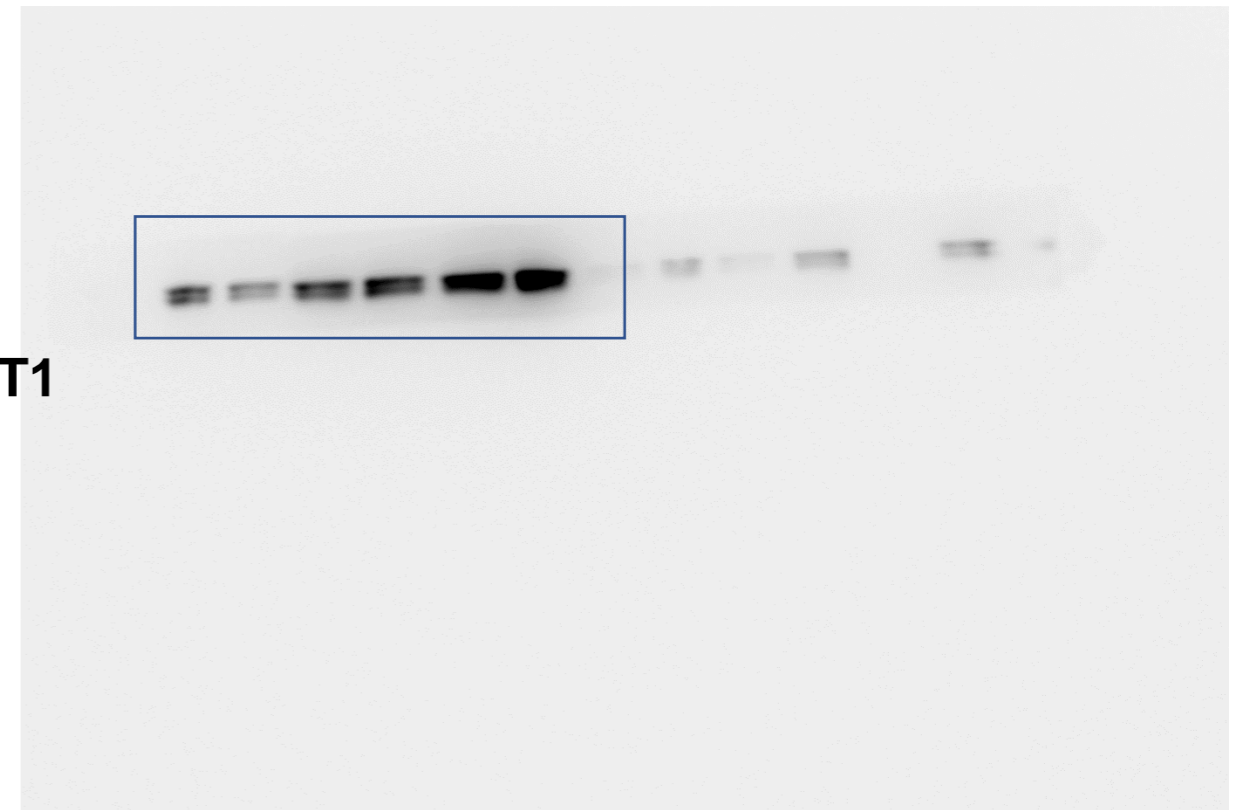
e



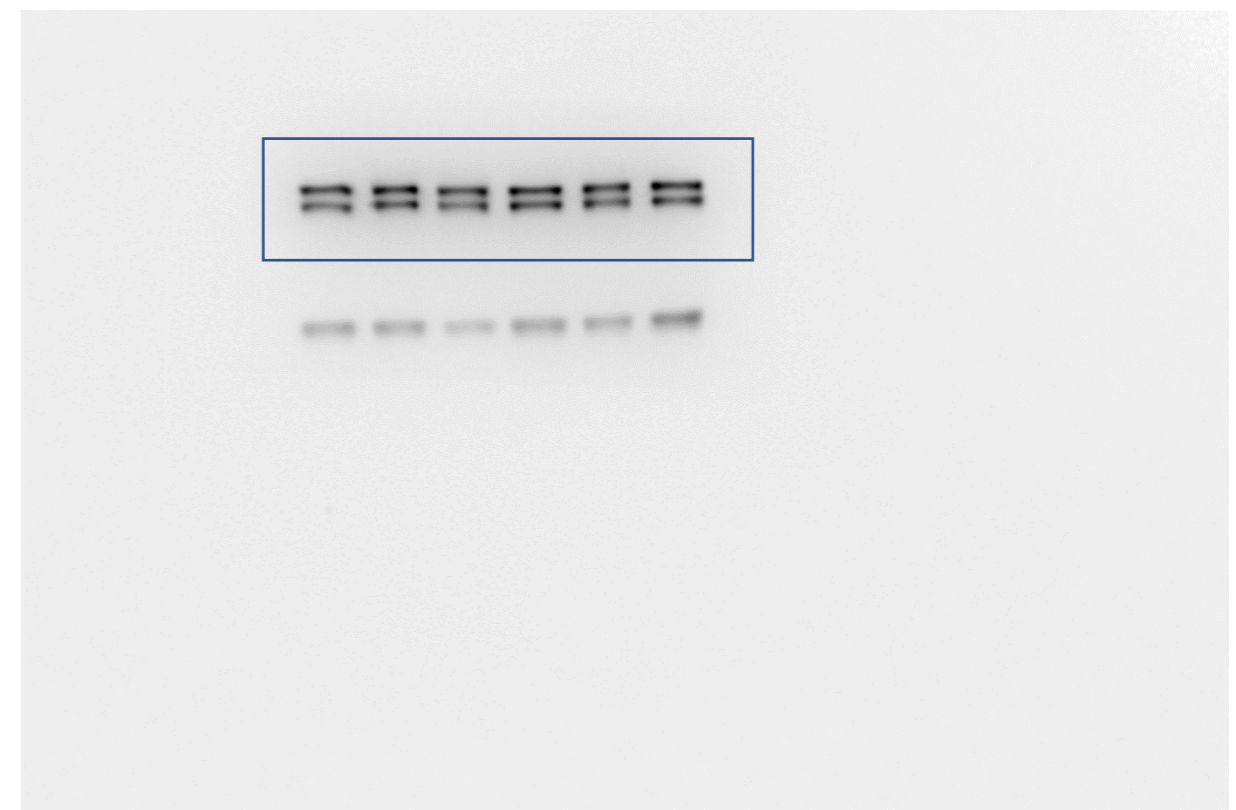
IP: T-STAT1-Ub



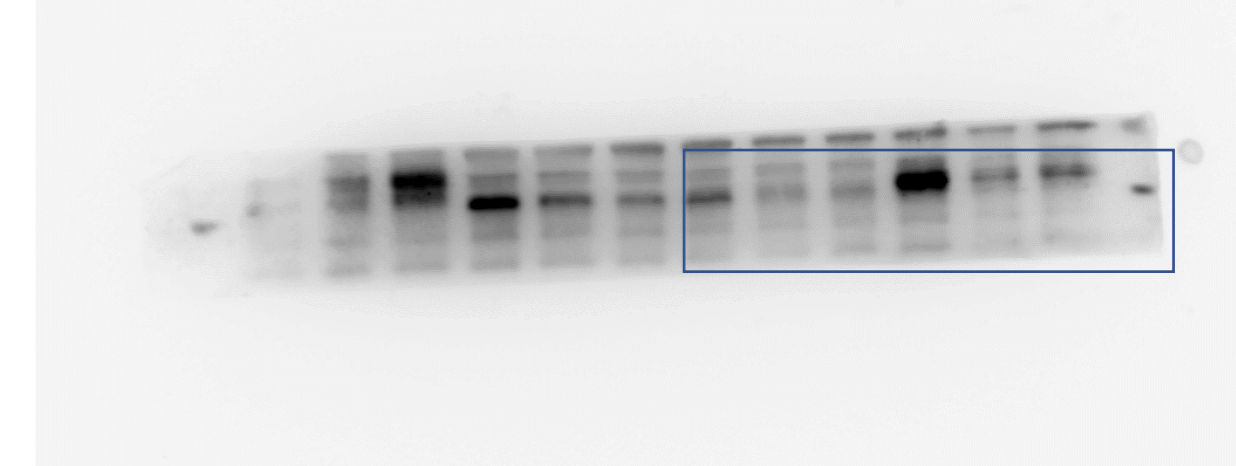
IP: T-STAT1-T-STAT1



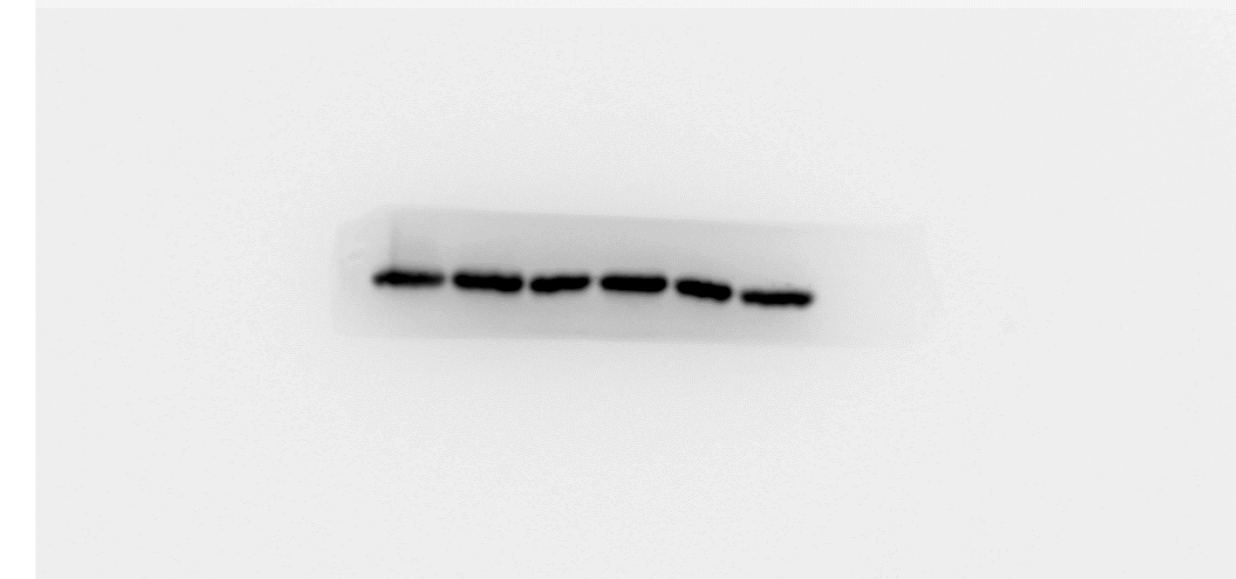
T-STAT1



iOPN

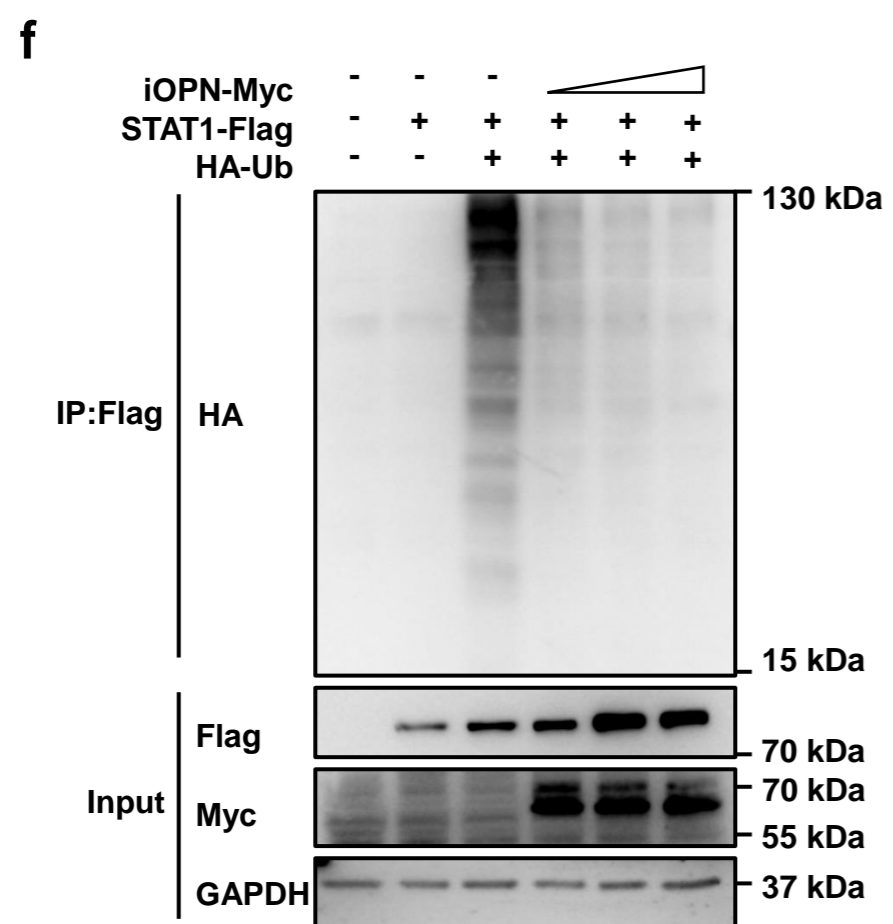


GAPDH

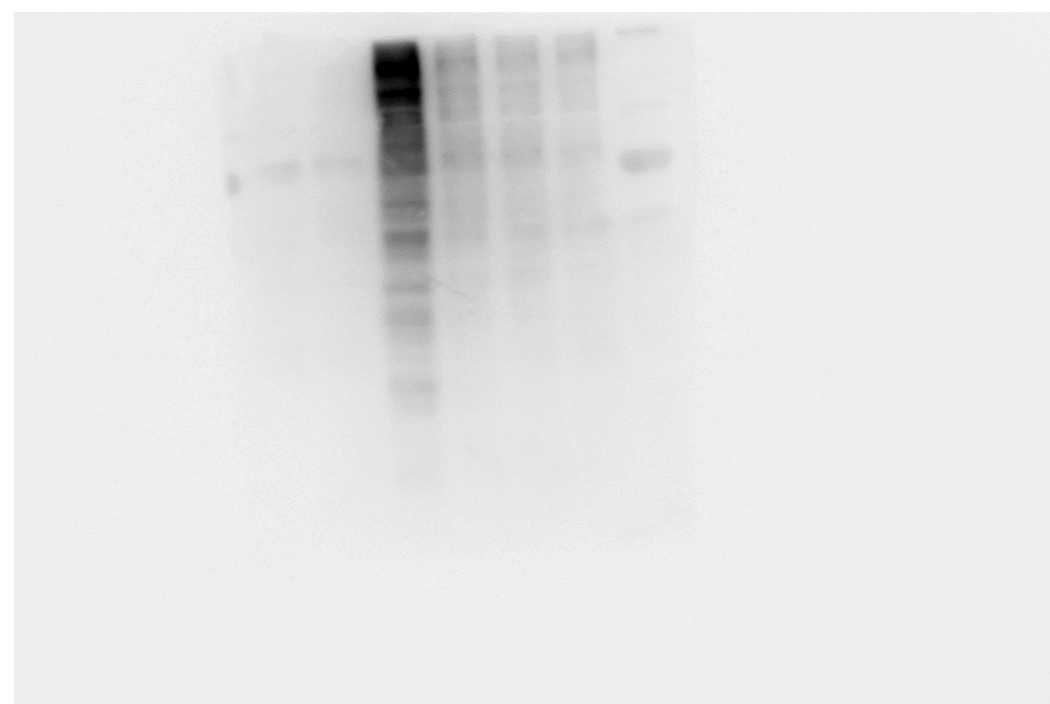


Right

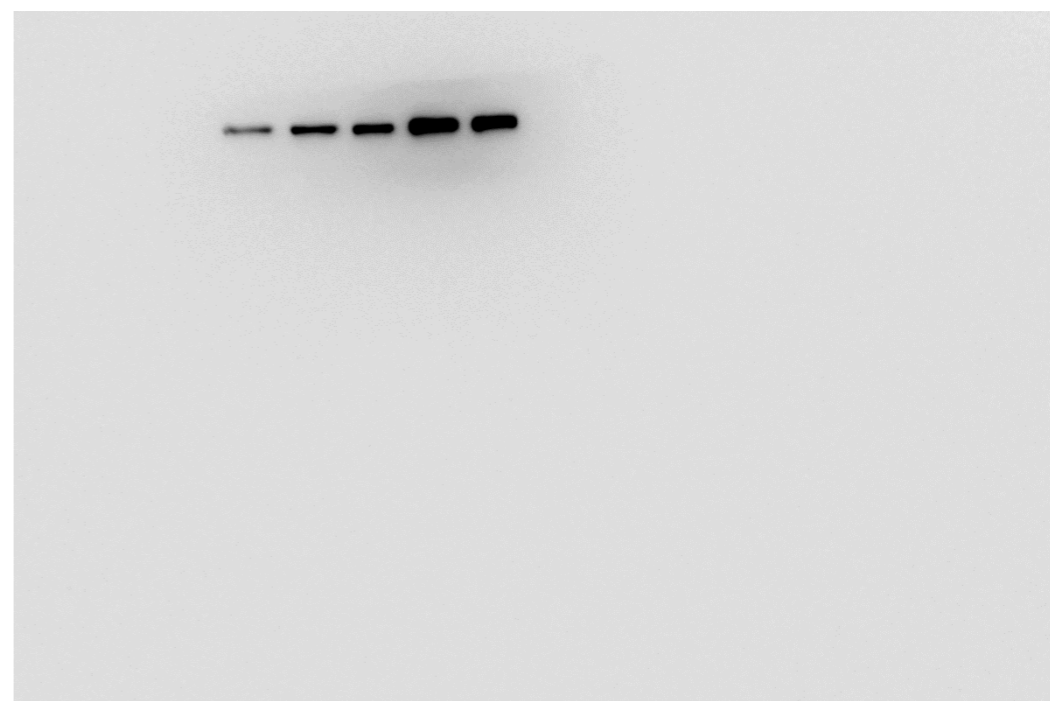
Figure 6



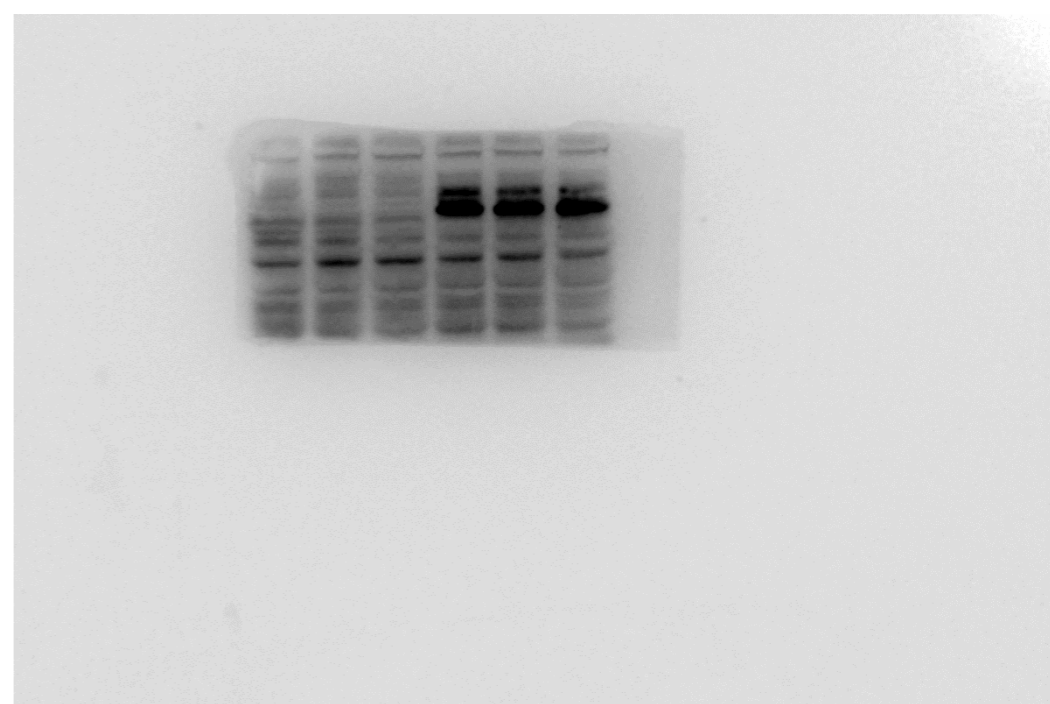
IP:Flag-HA



Flag



Myc



GAPDH

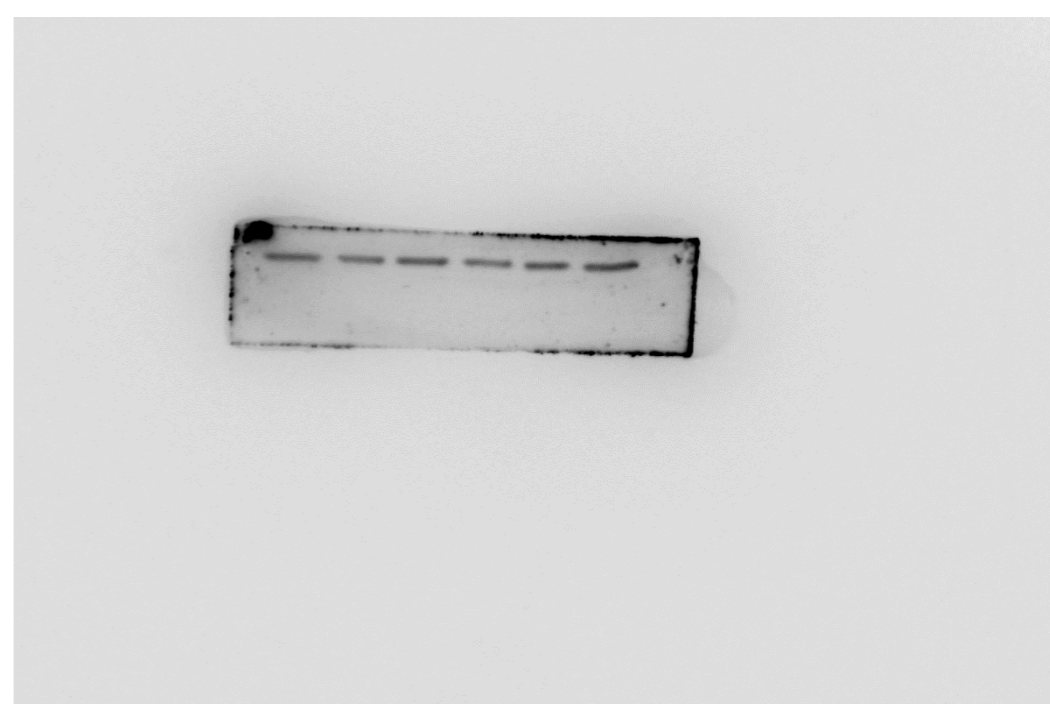
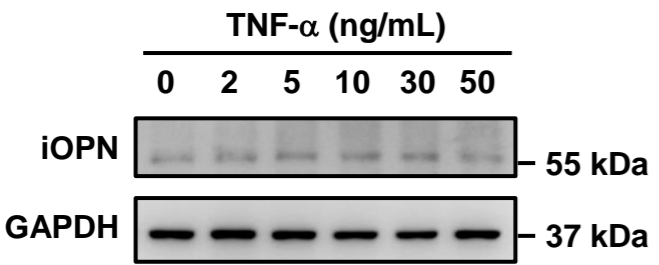
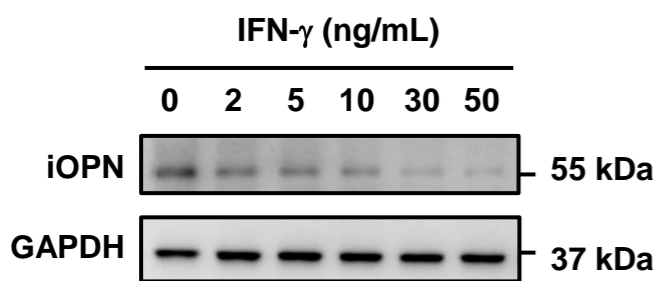
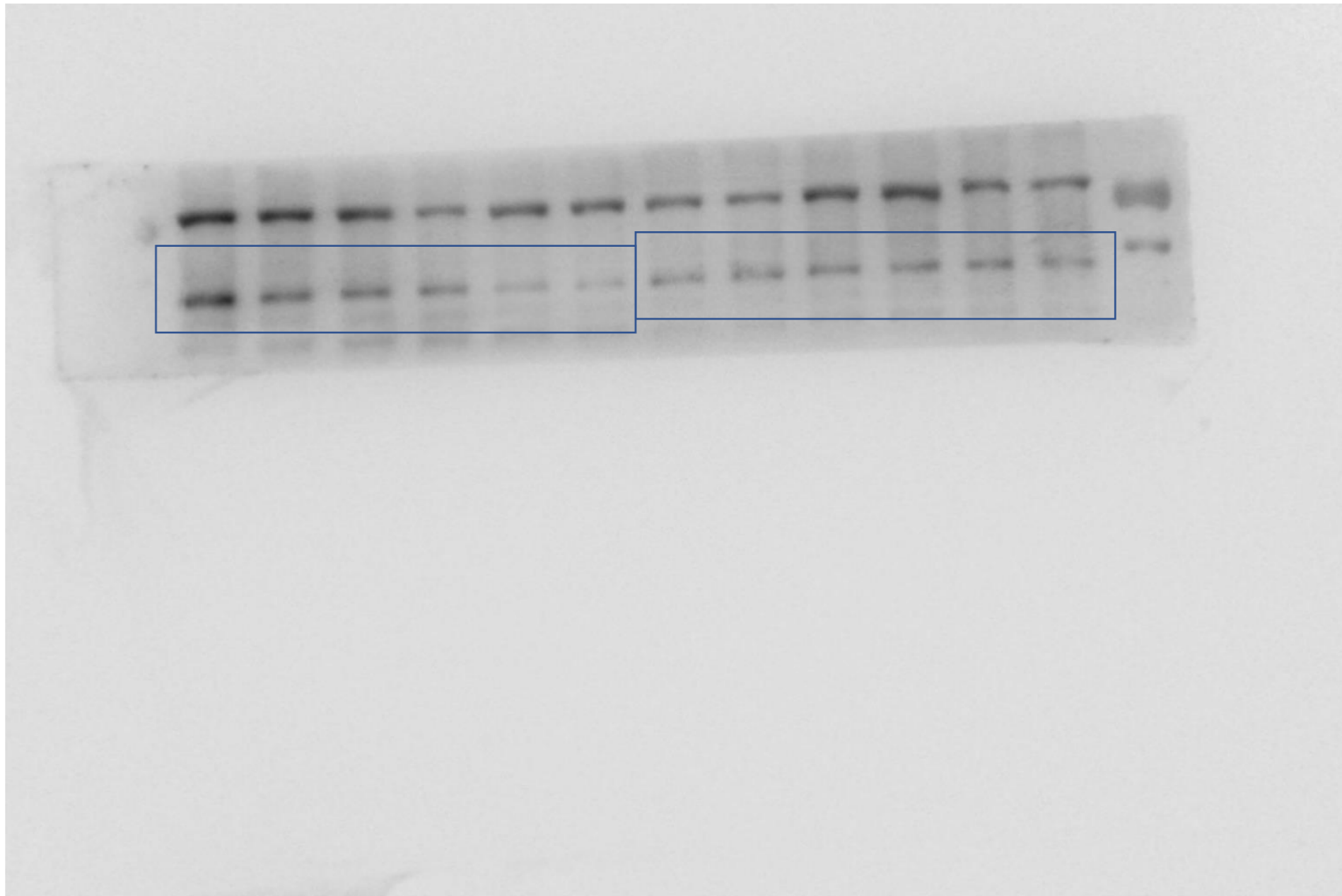


Figure 7

a



iOPN





GAPDH



Figure 7

C

| | | | | | |
|-------------------------------|---|---|---|---|---|
| TNF- α + IFN- γ | - | + | + | - | + |
| Anti-IFN- γ | - | - | + | - | + |
| Anti-TNF- α | - | - | - | + | + |

iOPN  - 55 kDa
GAPDH  - 37 kDa

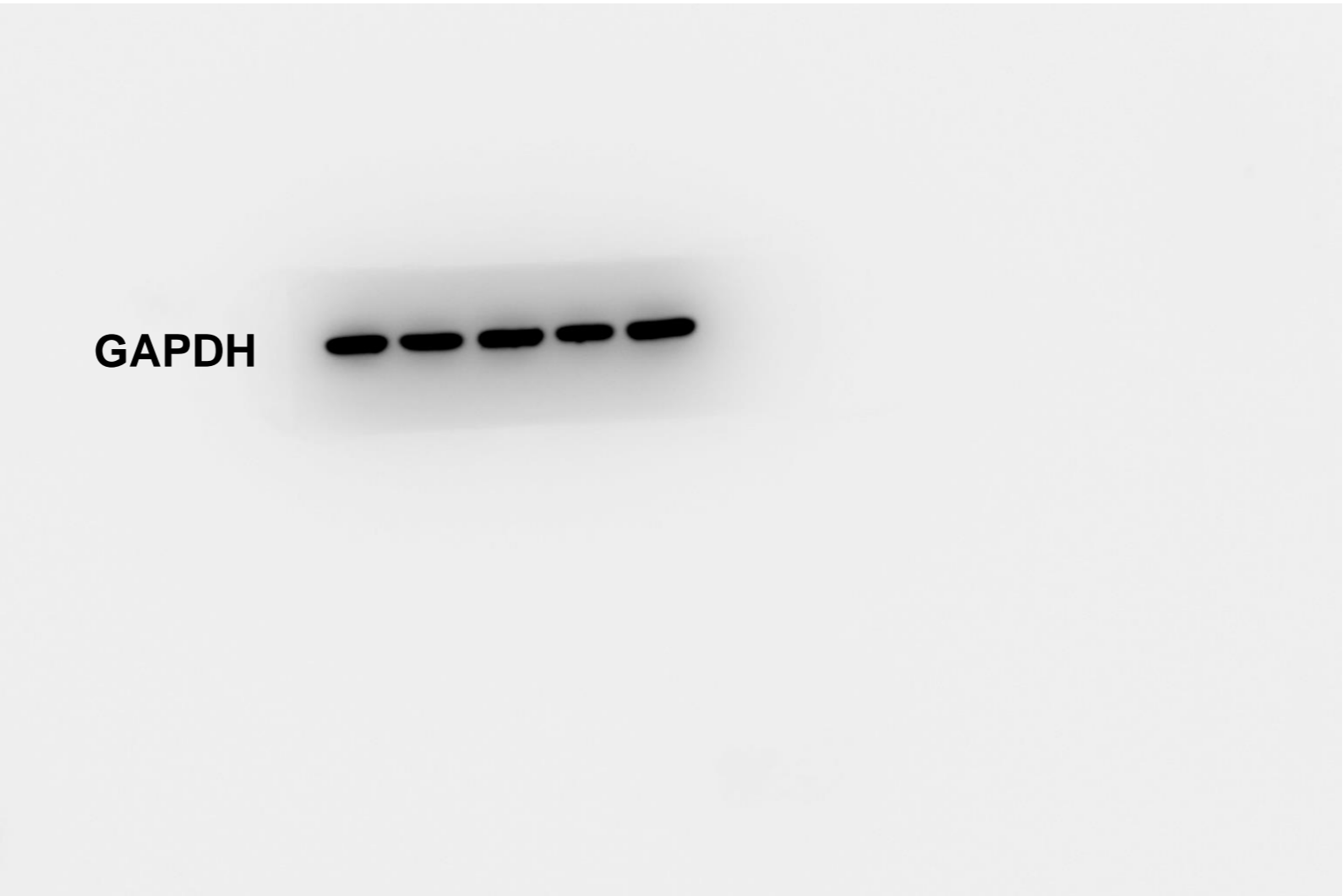
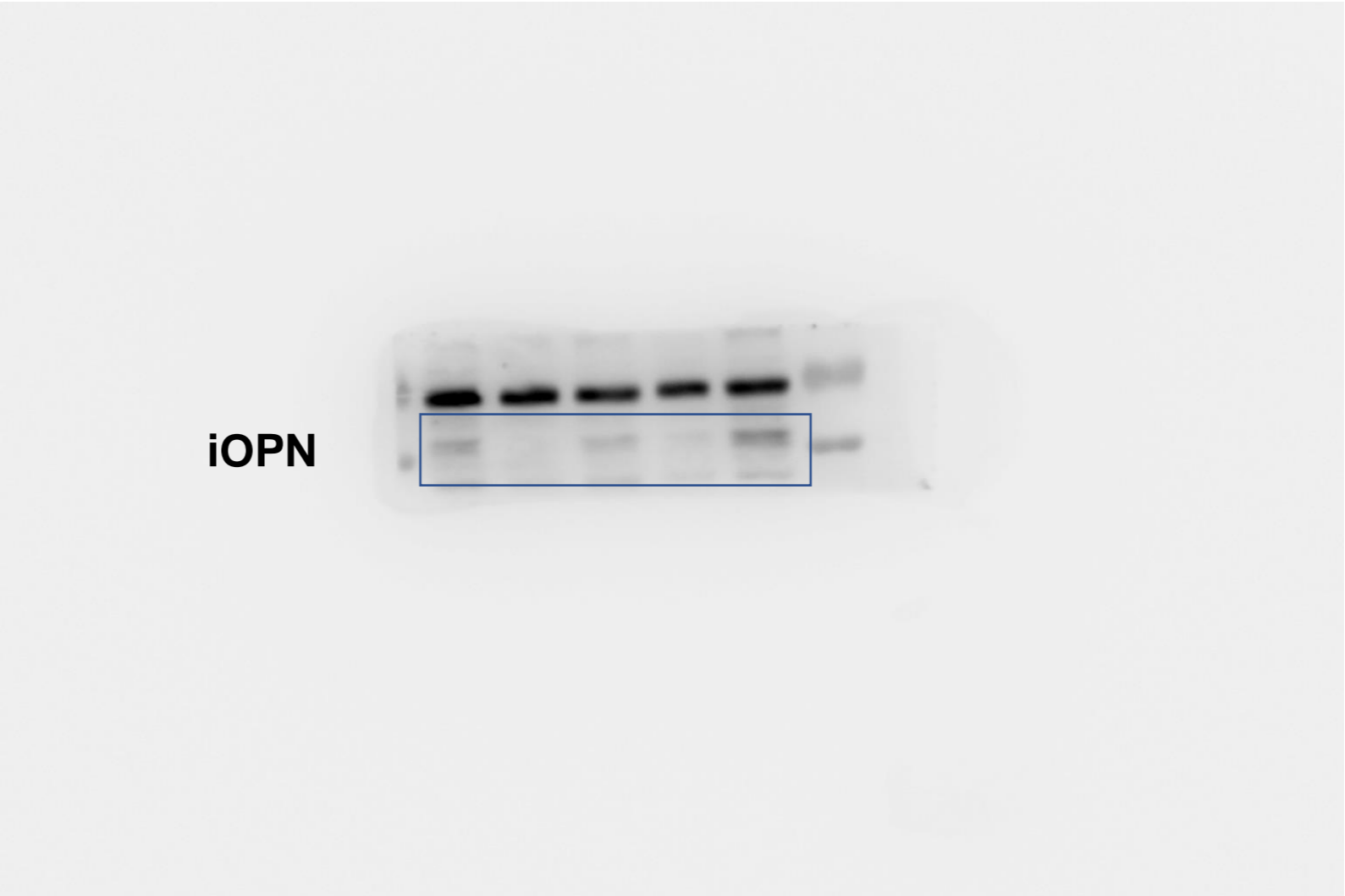


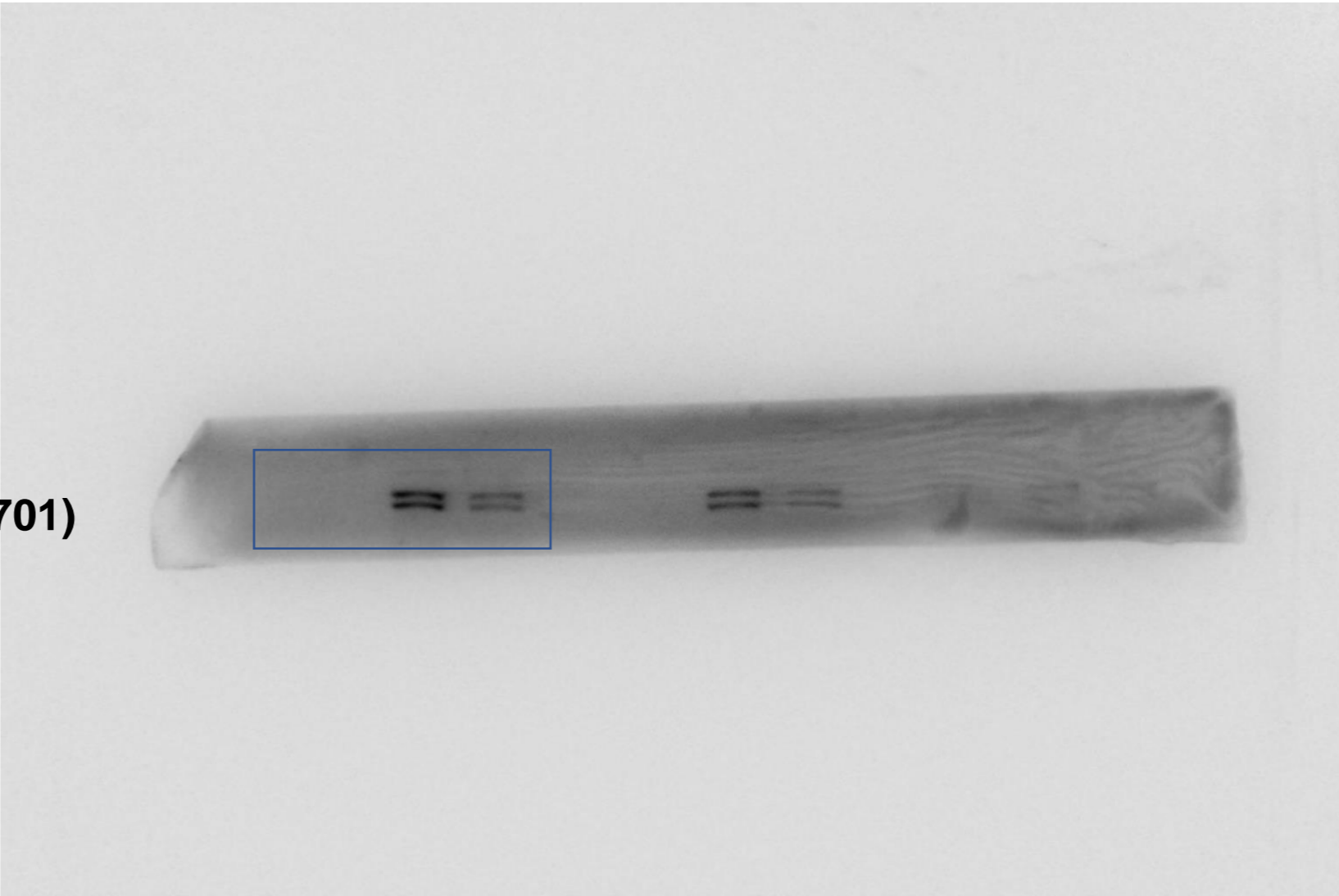
Figure 7

d

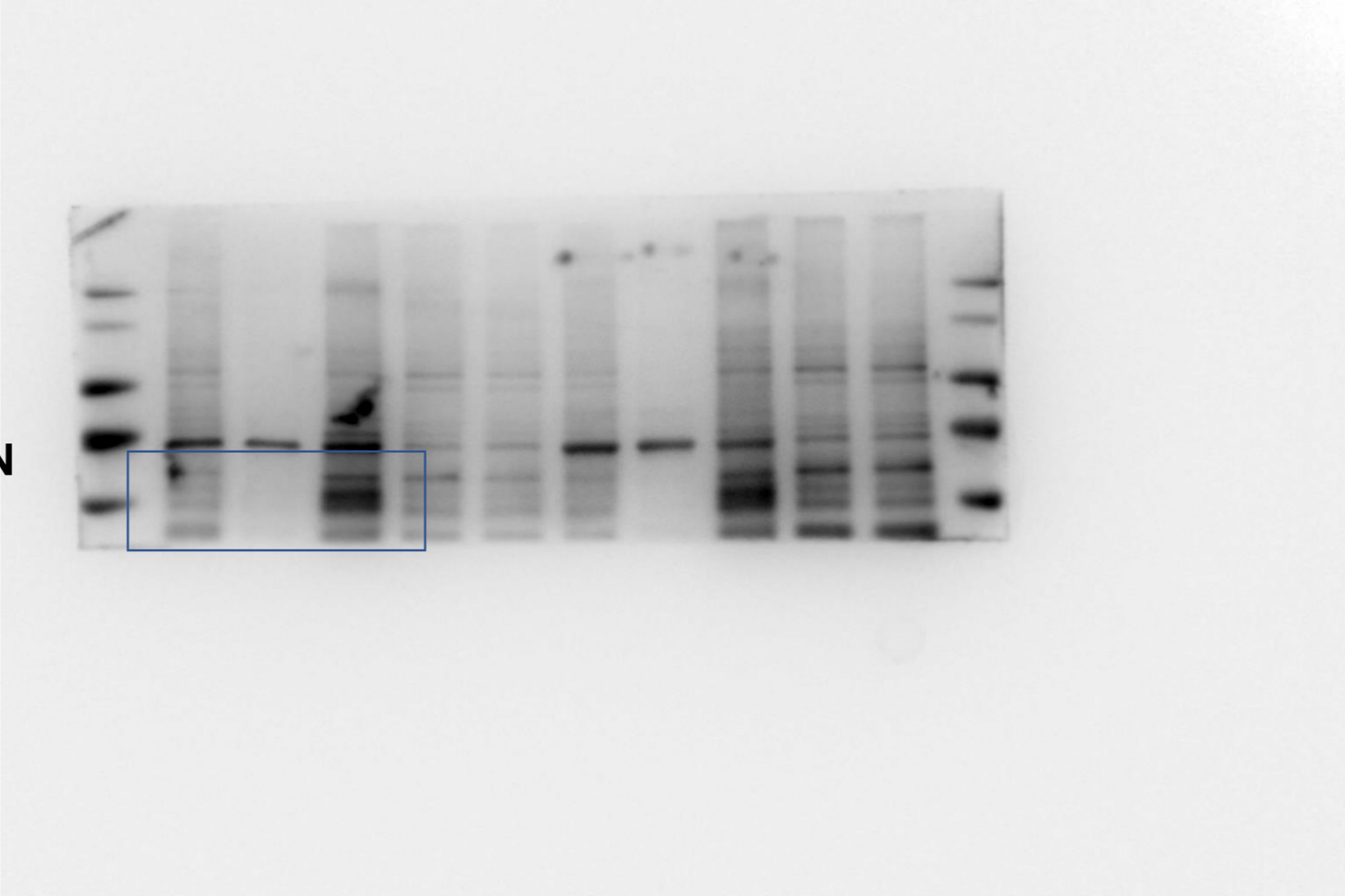
| | | | | |
|-------------------------------|---|---|---|---|
| TNF- α + IFN- γ | - | - | + | + |
| Flu | - | - | - | + |
| P-STAT1 (Tyr701) | | | | |
| iOPN | | | | |
| GAPDH | | | | |

= 91 kDa
= 84 kDa
= 55 kDa
= 37 kDa

P-STAT1(Tyr701)



iOPN



GAPDH

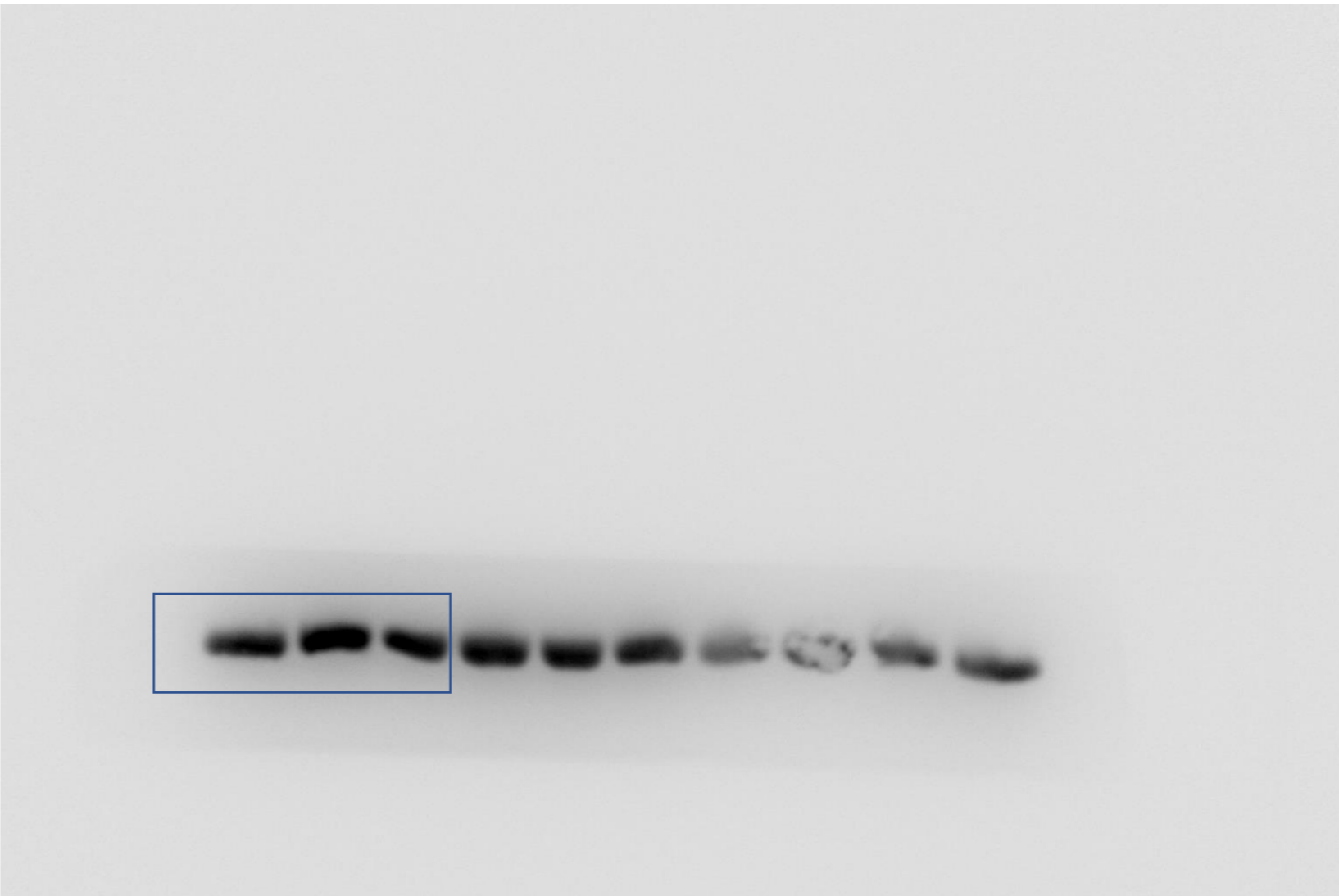
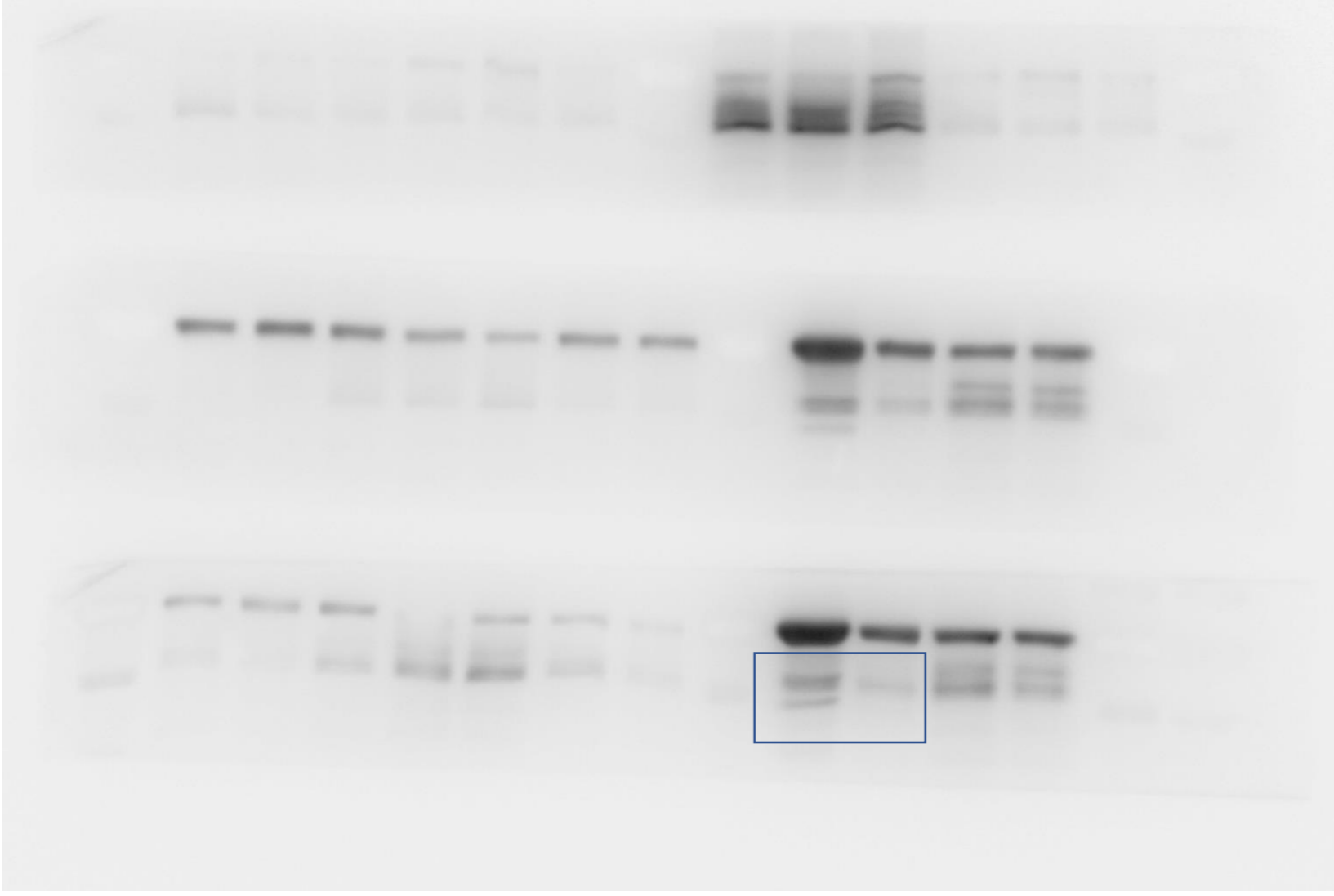


Figure S2

a

WT OPN^{-/-}
iOPN 55 kDa
GAPDH 37 kDa

iOPN



GAPDH

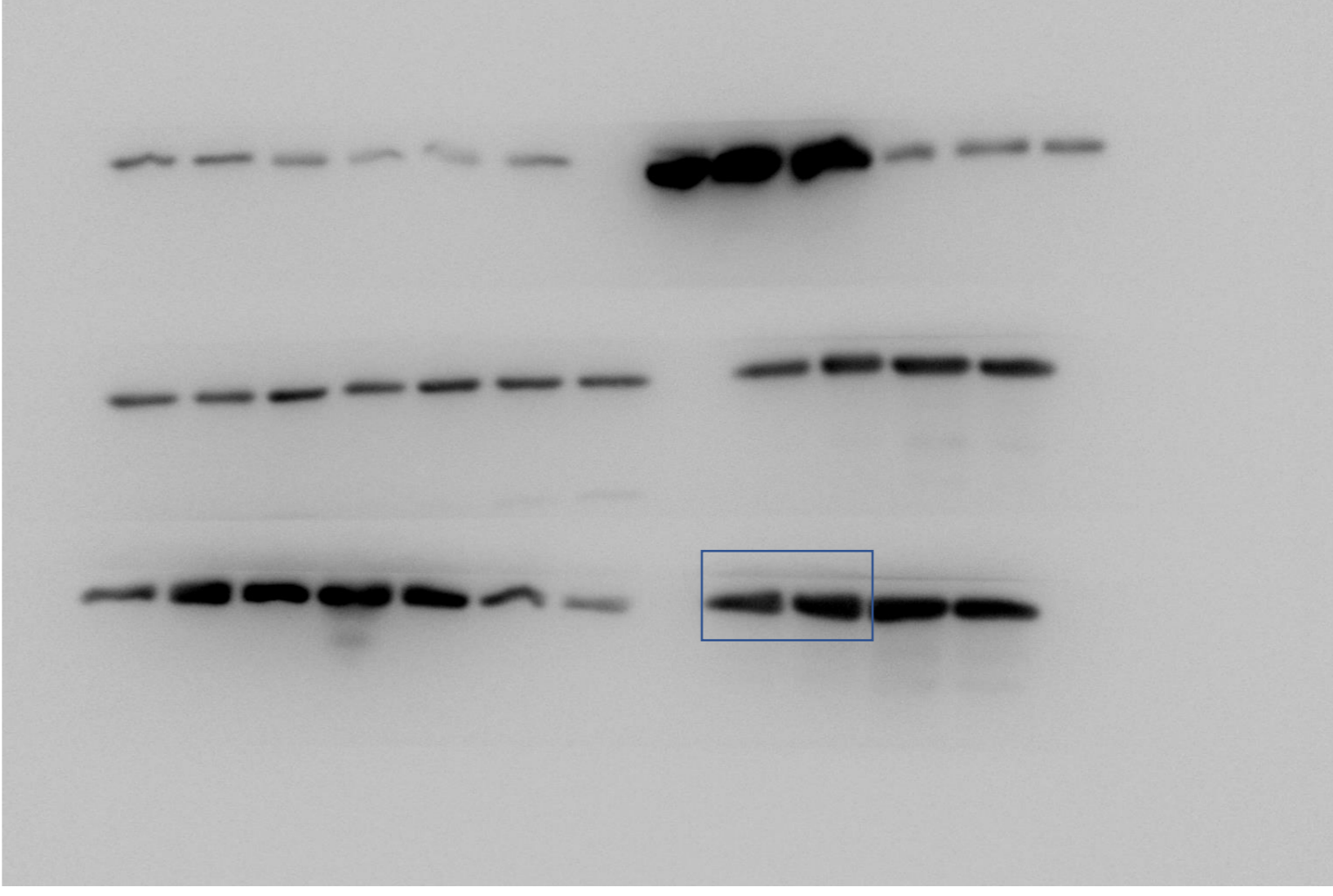
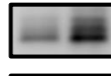

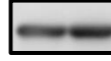
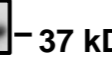
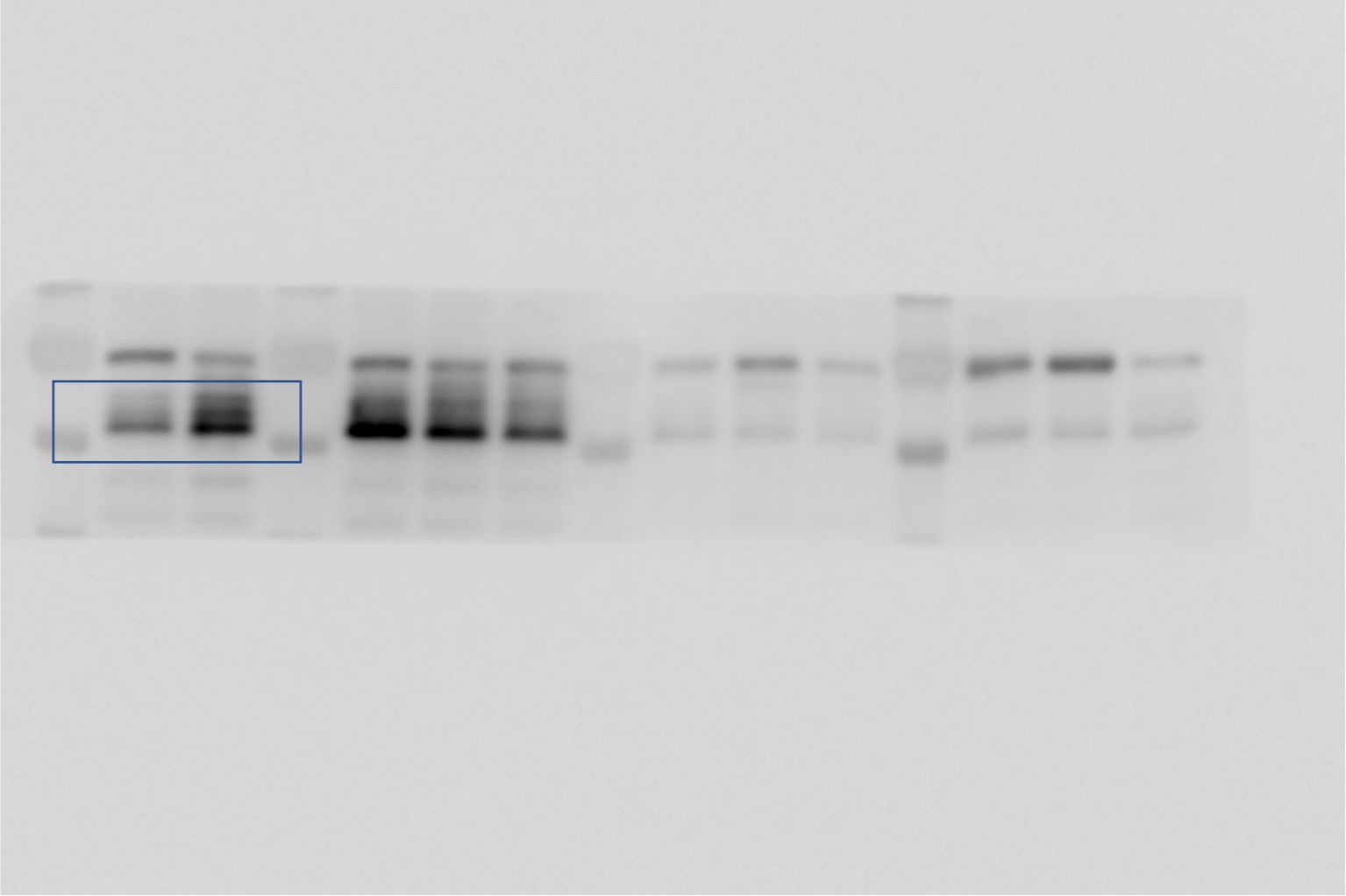


Figure S3

e

| | | | | |
|-------|---|---|----------|--|
| | | Vector-MSC | iOPN-MSC | |
| iOPN |  |  | — 55 kDa | |
| GAPDH |  |  | — 37 kDa | |

iOPN



GAPDH

