

Original blots of figure 1.

Cyclin A



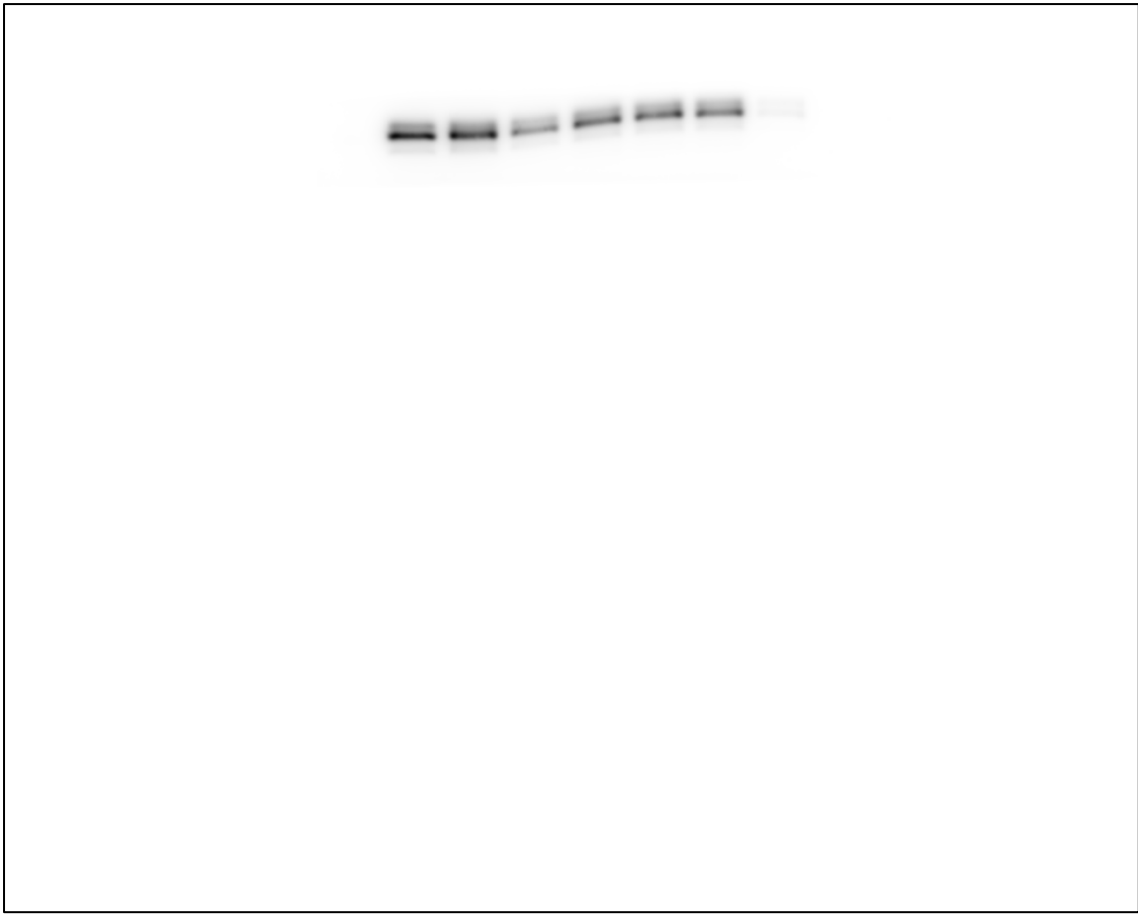
Lane 1: non-stimulated cell under normoxia

Lane 2: non stimulated cell under hypoxia (Hpx)

Lane 3-6: Melatonin treatment (1 mM-1 μ M) under Hpx

Lane 7: Thapsigargin under Hpx

Cyclin D



Lane 1: non-stimulated cell under normoxia

Lane 2: non stimulated cell under hypoxia (Hpx)

Lane 3-6: Melatonin treatment (1 mM-1 μ M) under Hpx

Lane 7: Thapsigargin under Hpx

β -Actin



Lane 1: non stimulated cell under normoxia

Lane 2: non stimulated cell under hypoxia (Hpx)

Lane 3-6: Melatonin treatment (1 mM-1 μ M) under Hpx

Lane 7: Thapsigargin under Hpx

Original blots of figure 2

BiP



The band analysed was the second band which is the specific band corresponding to BiP (78 kDa).

Lane 1: Pancreas tissue (antibody control)

Lane 2: non stimulated cell under hypoxia (Hpx)

Lane 3-6: Melatonin treatment (1 mM-1 μ M) under Hpx

Lane 7: Thapsigargin under Hpx

p-eIF2 α



Lane 1: Pancreas tissue (antibody control)

Lane 2: non stimulated cell under hypoxia (Hpx)

Lane 3-6: Melatonin treatment (1 mM-1 μ M) under Hpx

Lane 7: Thapsigargin under Hpx

ATF-4



Lane 1: Pancreas tissue (antibody control)

Lane 2: non stimulated cell under hypoxia (Hpx)

Lane 3-6: Melatonin treatment (1 mM-1 μ M) under Hpx

Lane 7: Thapsigargin under Hpx

β -Actin



Lane 1: Pancreas tissue (antibody control)

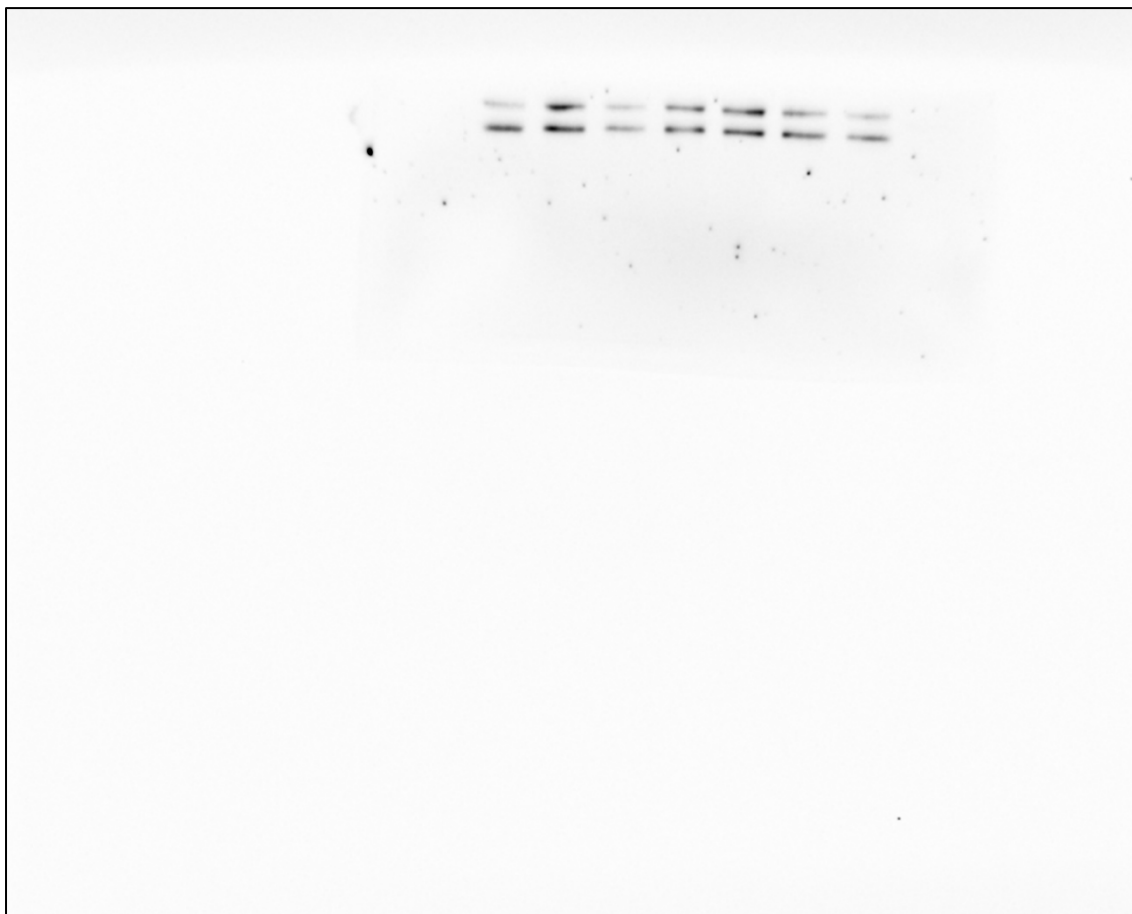
Lane 2: non stimulated cell under hypoxia (Hpx)

Lane 3-6: Melatonin treatment (1 mM-1 μ M) under Hpx

Lane 7: Thapsigargin under Hpx

Original blots of Figure 4.

p-JNK



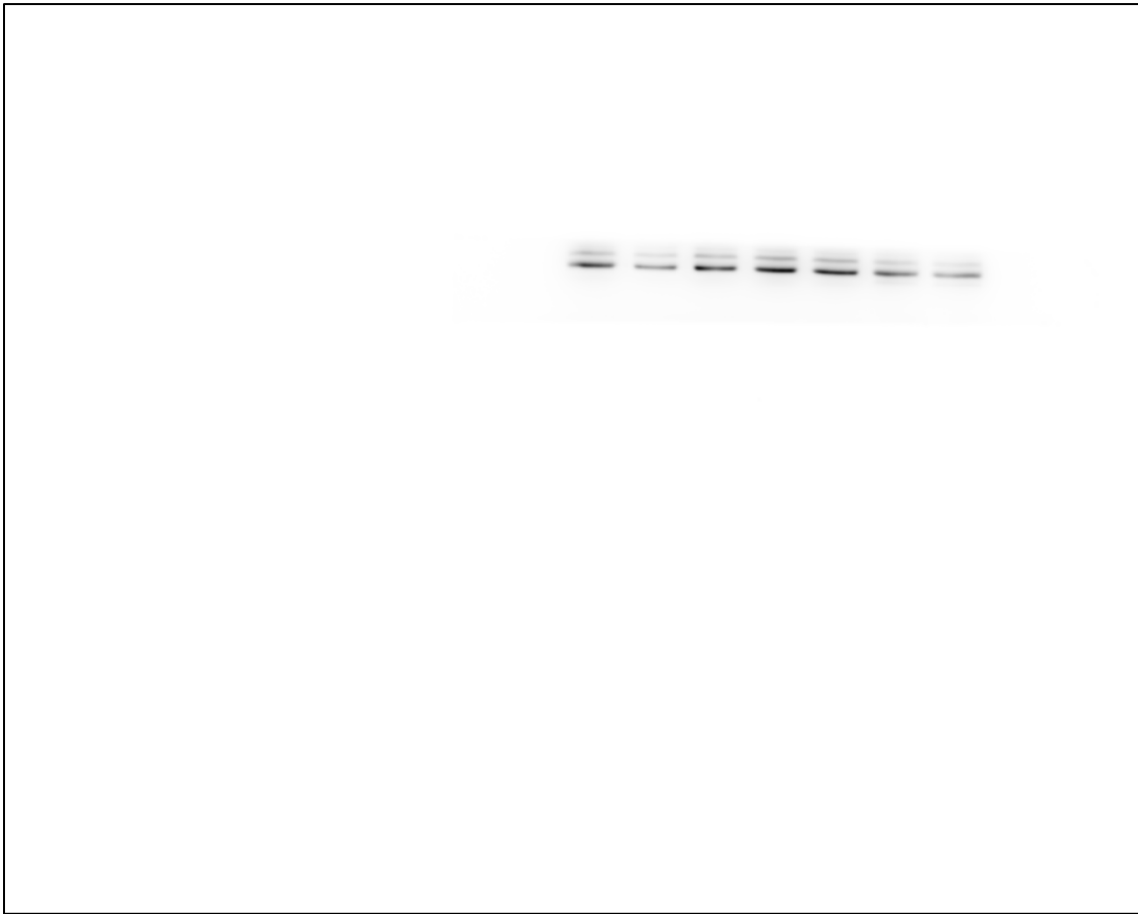
Lane 1: non stimulated cell under normoxia

Lane 2: non stimulated cell under hypoxia (Hpx)

Lane 3-6: Melatonin treatment (1 mM-1 μ M) under Hpx

Lane 7: Thapsigargin under Hpx

p-p44/42



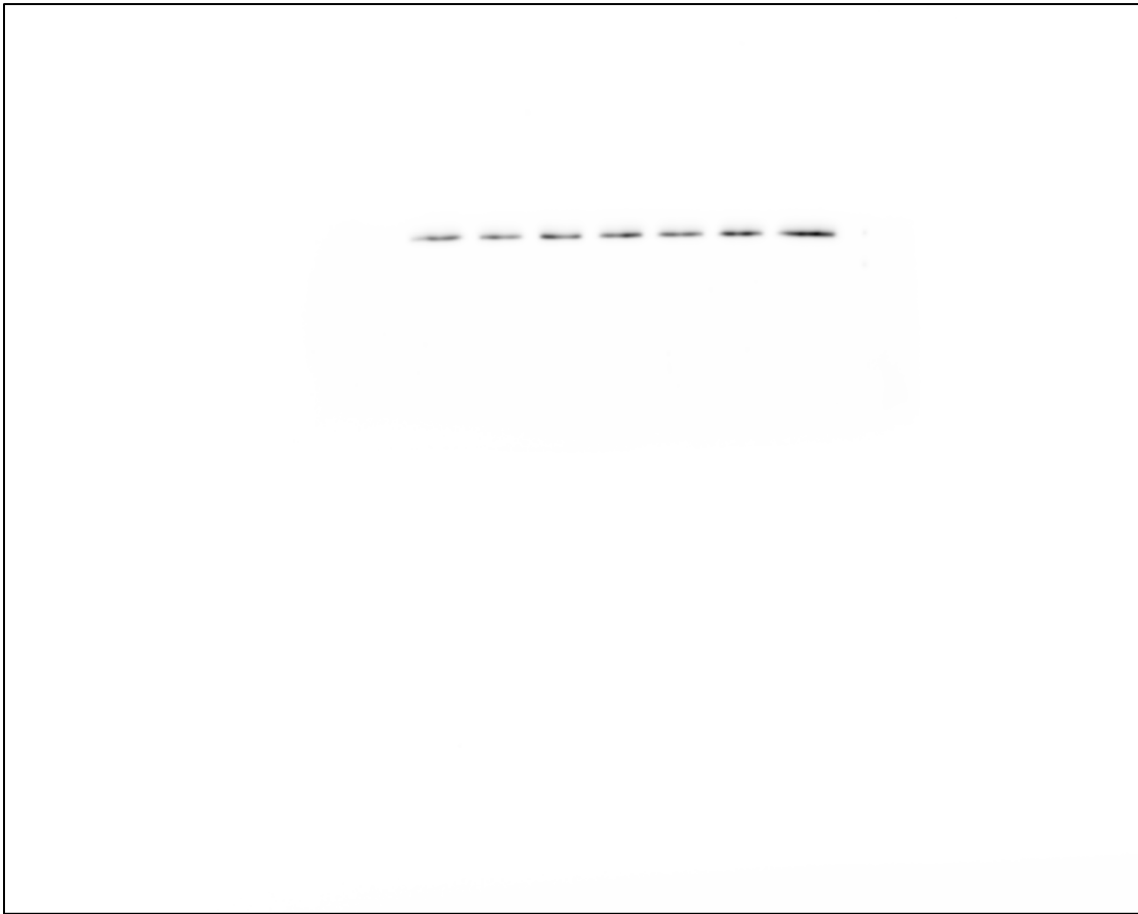
Lane 1: non stimulated cell under normoxia

Lane 2: non stimulated cell under hypoxia (Hpx)

Lane 3-6: Melatonin treatment (1 mM-1 μ M) under Hpx

Lane 7: Thapsigargin under Hpx

p-p38



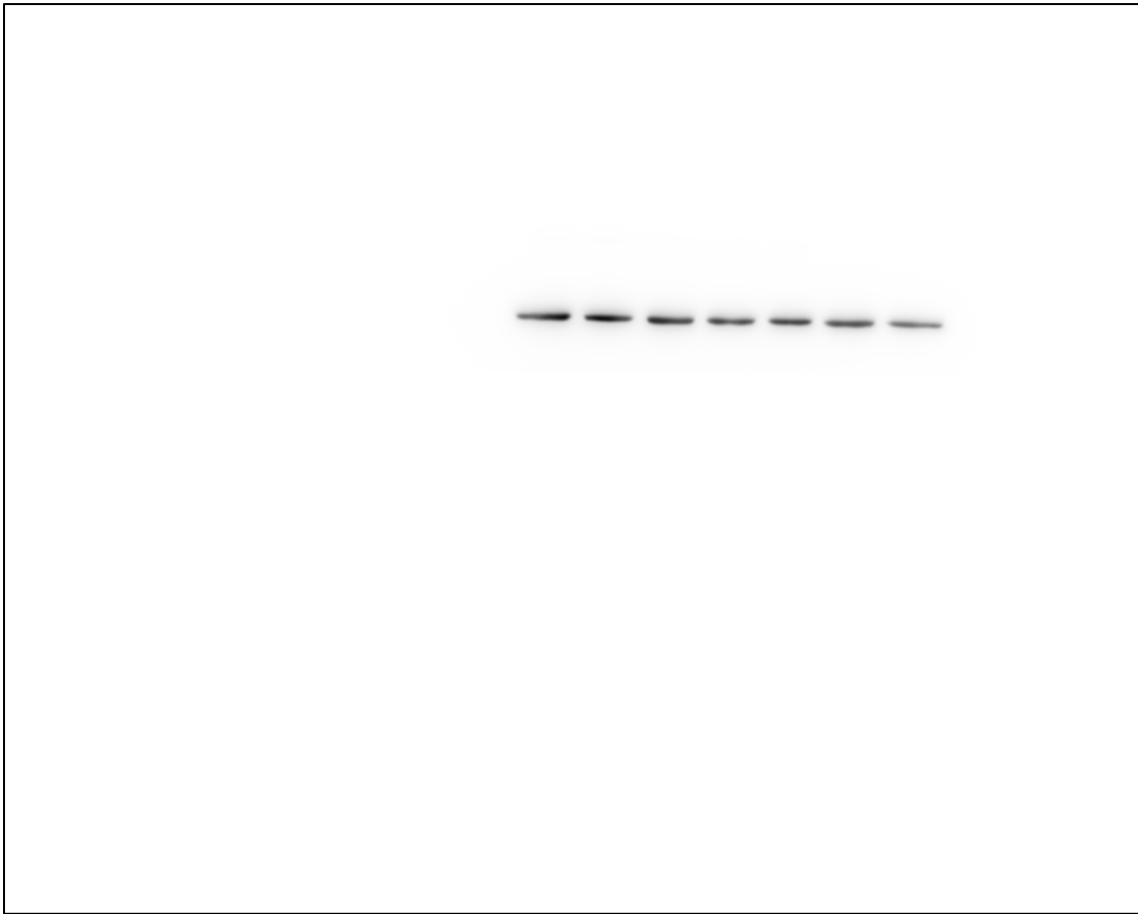
Lane 1: non stimulated cell under normoxia

Lane 2: non stimulated cell under hypoxia (Hpx)

Lane 3-6: Melatonin treatment (1 mM-1 μ M) under Hpx

Lane 7: Thapsigargin under Hpx

β -Actin



Lane 1: non stimulated cell under normoxia

Lane 2: non stimulated cell under hypoxia (Hpx)

Lane 3-6: Melatonin treatment (1 mM-1 μ M) under Hpx

Lane 7: Thapsigargin under Hpx

Original blots of figure 5.

α -SMA



The band corresponding to α -SMA is the second band. The first band correspond to ATF-4. The membrane was firstly incubated with a rabbit anti-rat ATF-4 antibody and then was reprovod with a goat anti-rat α -SMA antibody. Both proteins have different molecular weights.

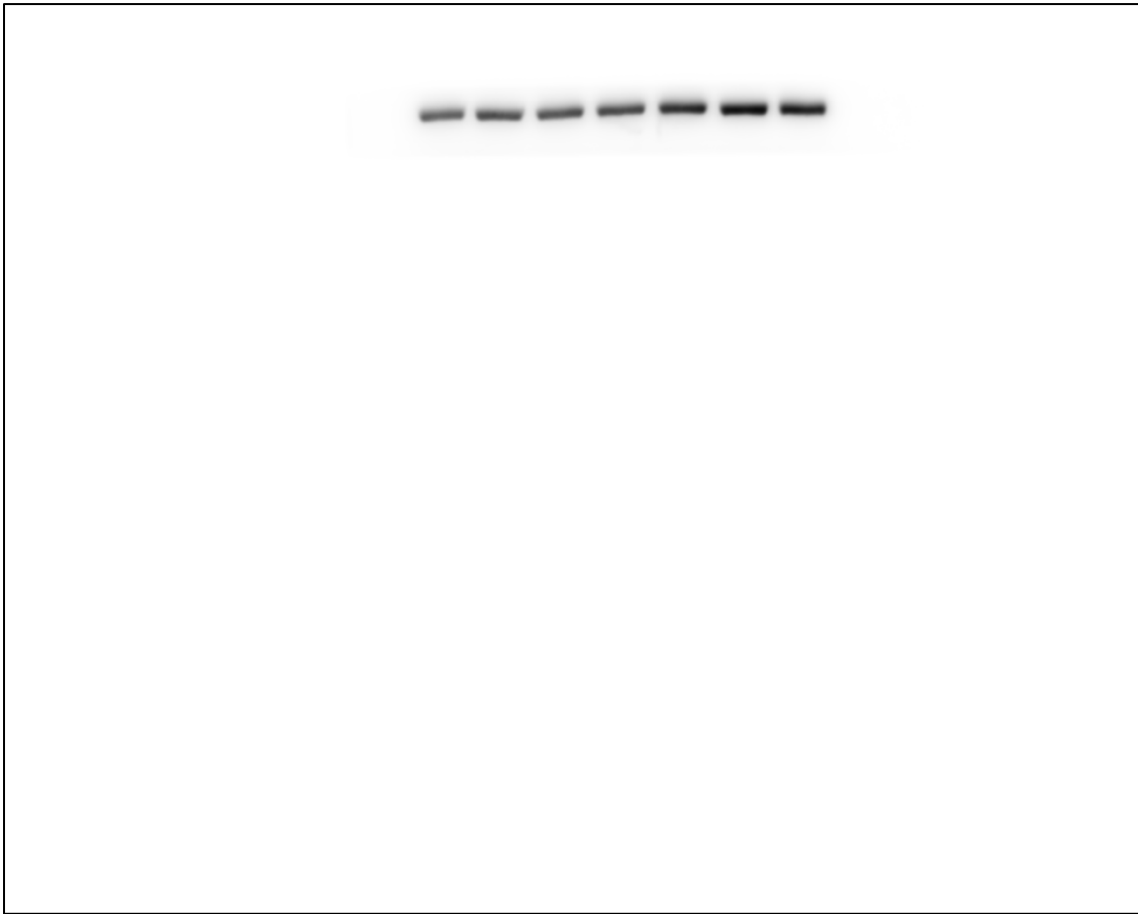
Lane 1: non stimulated cell under normoxia

Lane 2: non stimulated cell under hypoxia (Hpx)

Lane 3-6: Melatonin treatment (1 mM-1 μ M) under Hpx

Lane 7: Thapsigargin under Hpx

β -Actin



Lane 1: non stimulated cell under normoxia

Lane 2: non stimulated cell under hypoxia (Hpx)

Lane 3-6: Melatonin treatment (1 mM-1 μ M) under Hpx

Lane 7: Thapsigargin under Hpx

Original blots of Figure 6.

MMP-2



Lane 1: Molecular weight marker

Lane 2: non stimulated cell under normoxia

Lane 3: non stimulated cell under hypoxia (Hpx)

Lane 4-7: Melatonin treatment (1 mM-1 μ M) under Hpx

Lane 8: Thapsigargin under Hpx

Lane 9: Molecular weight marker

MMP-3



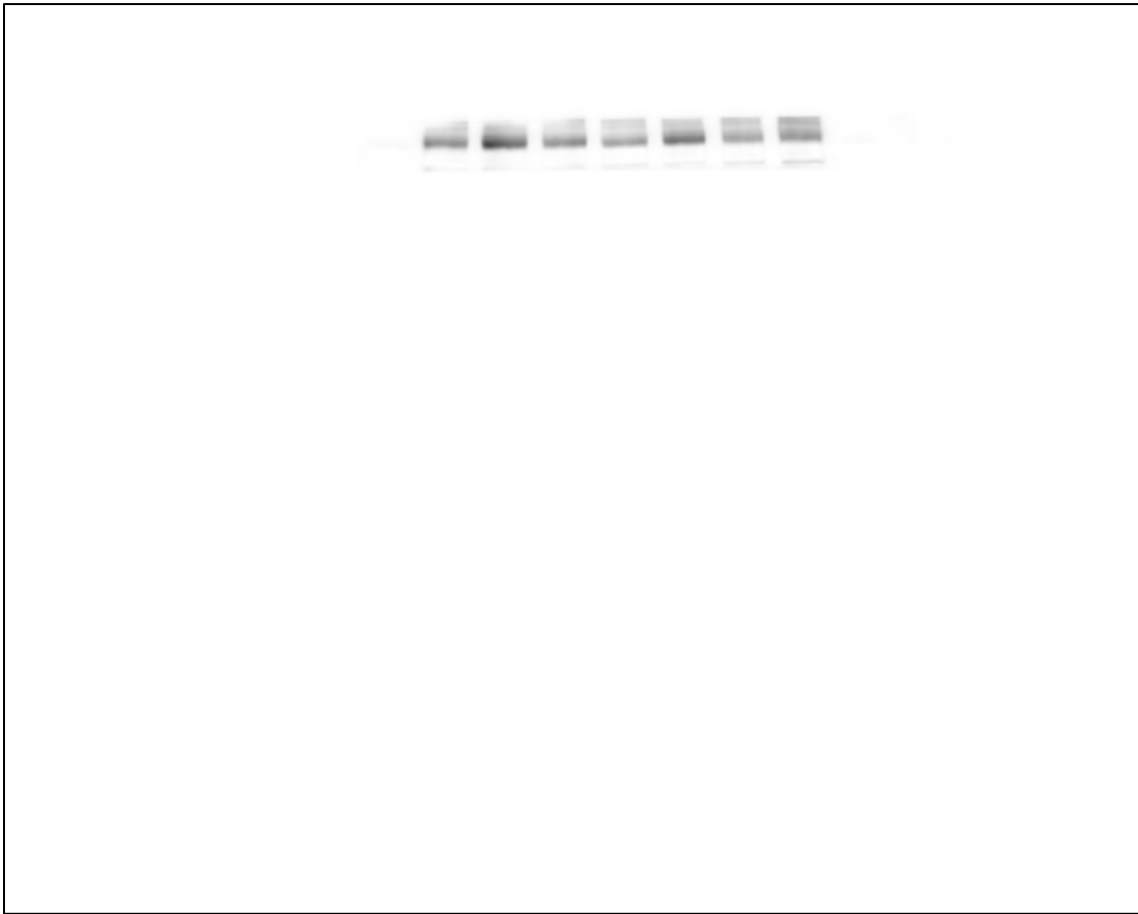
Lane 1: non stimulated cell under normoxia

Lane 2: non stimulated cell under hypoxia (Hpx)

Lane 3-6: Melatonin treatment (1 mM-1 μ M) under Hpx

Lane 7: Thapsigargin under Hpx

MMP-9



Lane 1: non stimulated cell under normoxia

Lane 2: non stimulated cell under hypoxia (Hpx)

Lane 3-6: Melatonin treatment (1 mM-1 μ M) under Hpx

Lane 7: Thapsigargin under Hpx

MMP-13



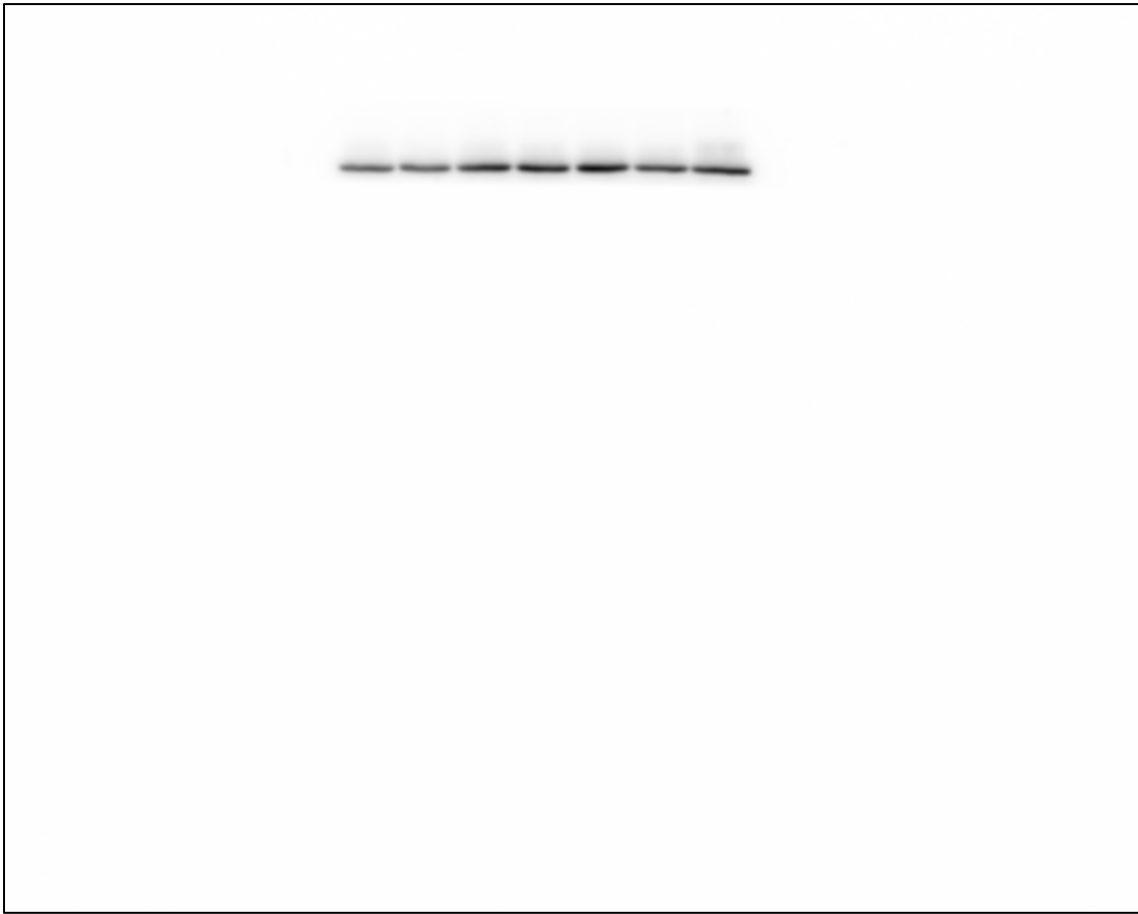
Lane 1: non stimulated cell under normoxia

Lane 2: non stimulated cell under hypoxia (Hpx)

Lane 3-6: Melatonin treatment (1 mM-1 μ M) under Hpx

Lane 7: Thapsigargin under Hpx

β -Actin



Lane 1: non stimulated cell under normoxia

Lane 2: non stimulated cell under hypoxia (Hpx)

Lane 3-6: Melatonin treatment (1 mM-1 μ M) under Hpx

Lane 7: Thapsigargin under Hpx