

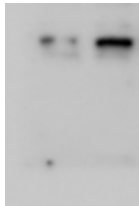
Supplementary Figure 1



Supplementary Figure 1A (Figure 3B-COL-1)



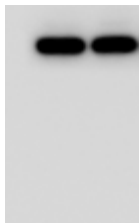
Supplementary Figure 1B (Figure 3B-ALP)



Supplementary Figure 1C (Figure 3B-OCN)

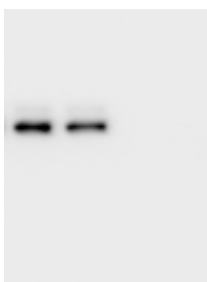


Supplementary Figure 1D (Figure 3B-RUNX2)

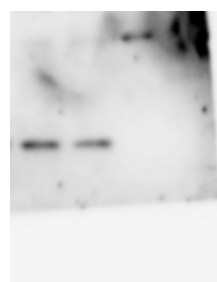


Supplementary Figure 1E (Figure 3B-GAPDH)

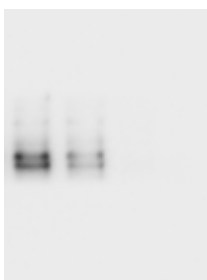
Supplementary Figure 2



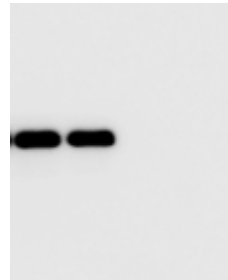
Supplementary Figure 2A (Figure 4B-INSR)



Supplementary Figure 2B (Figure 4B-IGF1R)

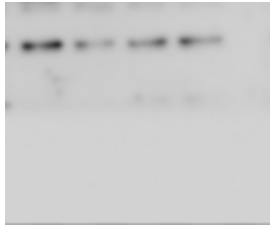


Supplementary Figure 2C (Figure 4B-IRS1)

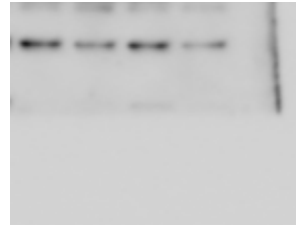


Supplementary Figure 2D (Figure 4B-GAPDH)

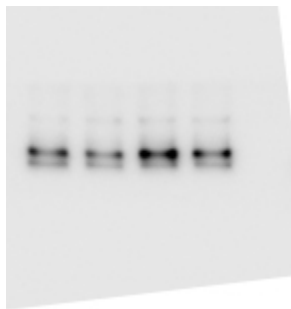
Supplementary Figure 3



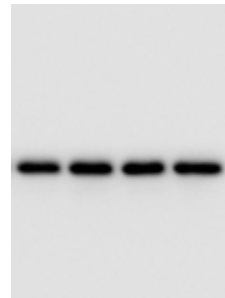
Supplementary Figure 3A (Figure 5A-INSR)



Supplementary Figure 3B (Figure 5A-IGF1R)

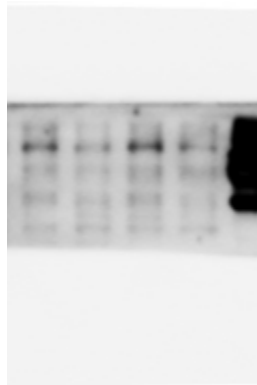


Supplementary Figure 3C (Figure 5A-IRS1)

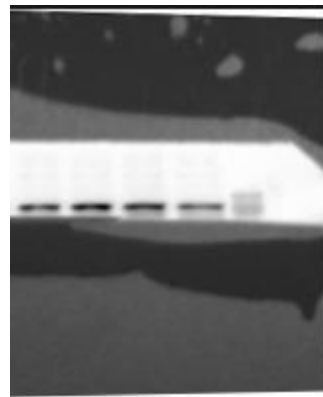


Supplementary Figure 3D (Figure 5A-GAPDH)

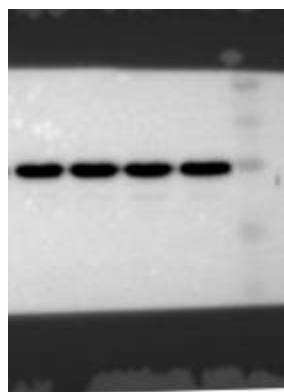
Supplementary Figure 4



Supplementary Figure 4A (Figure 5B-p-PI3K)

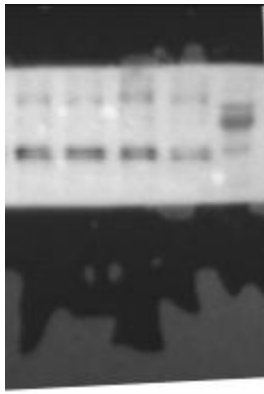


Supplementary Figure 4B (Figure 5B-PI3K)

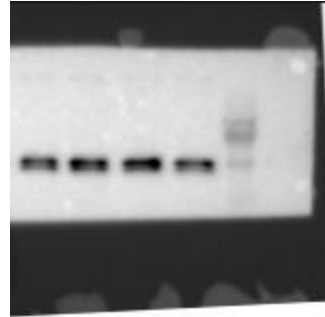


Supplementary Figure 4C (Figure 5B-GAPDH)

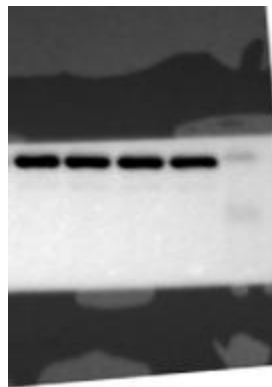
Supplementary Figure 5



Supplementary Figure 5A (Figure 5C-p-AKT)



Supplementary Figure 5B (Figure 5C-AKT)

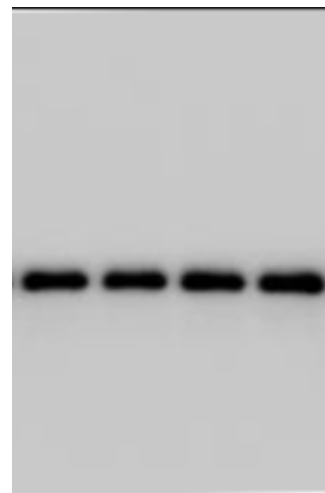


Supplementary Figure 5C (Figure 5C-GAPDH)

Supplementary Figure 6

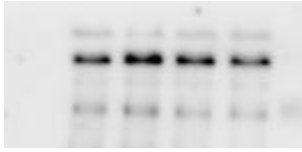


Supplementary Figure 6A (Figure 5D-mTOR)

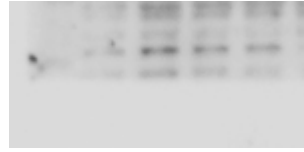


Supplementary Figure 6B (Figure 5D-GAPDH)

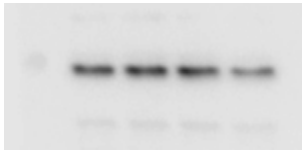
Supplementary Figure 7



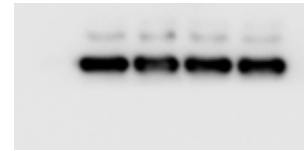
Supplementary Figure 7A (Figure 6B-COL-1)



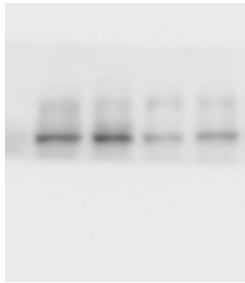
Supplementary Figure 7B (Figure 6B-ALP)



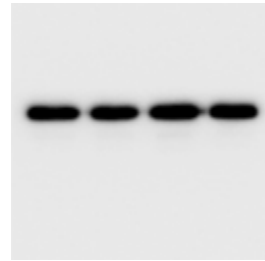
Supplementary Figure 7C (Figure 6B-OCN)



Supplementary Figure 7D (Figure 6B-GAPDH)



Supplementary Figure 7E (Figure 6B-RUNX2)



Supplementary Figure 7F (Figure 6B-GAPDH)