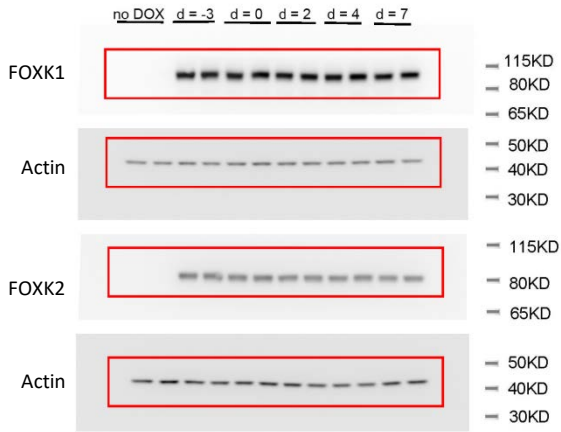
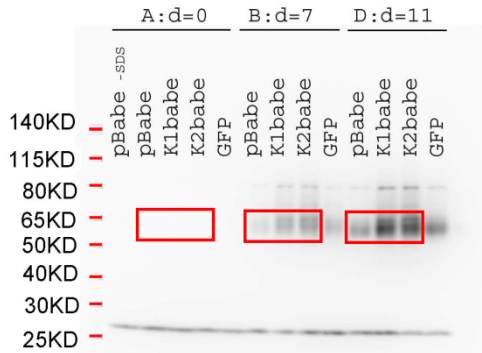


## Extended Data Figure 1a

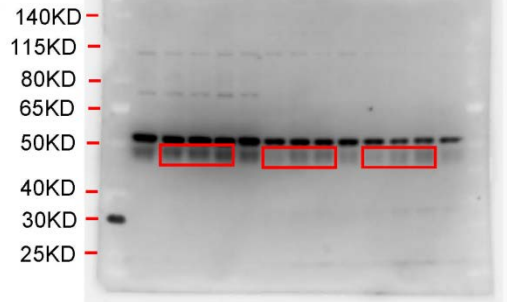


## Extended Data Figure 1f

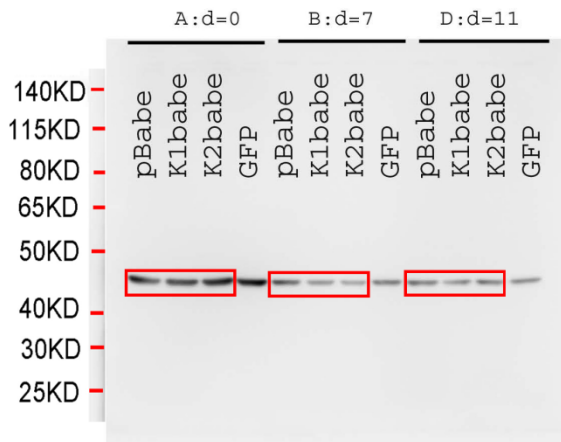
### 1. Glut4



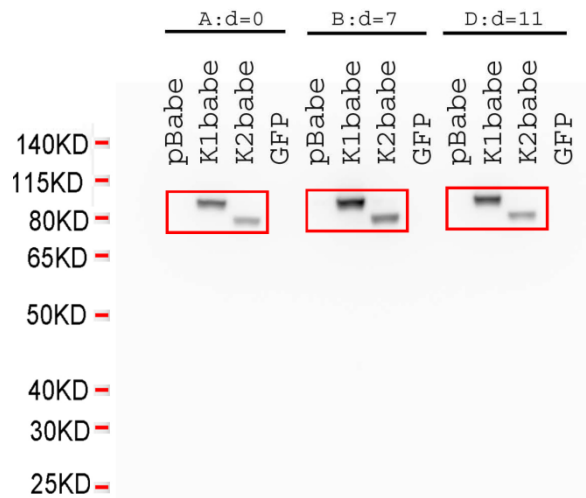
### 2. Glut1



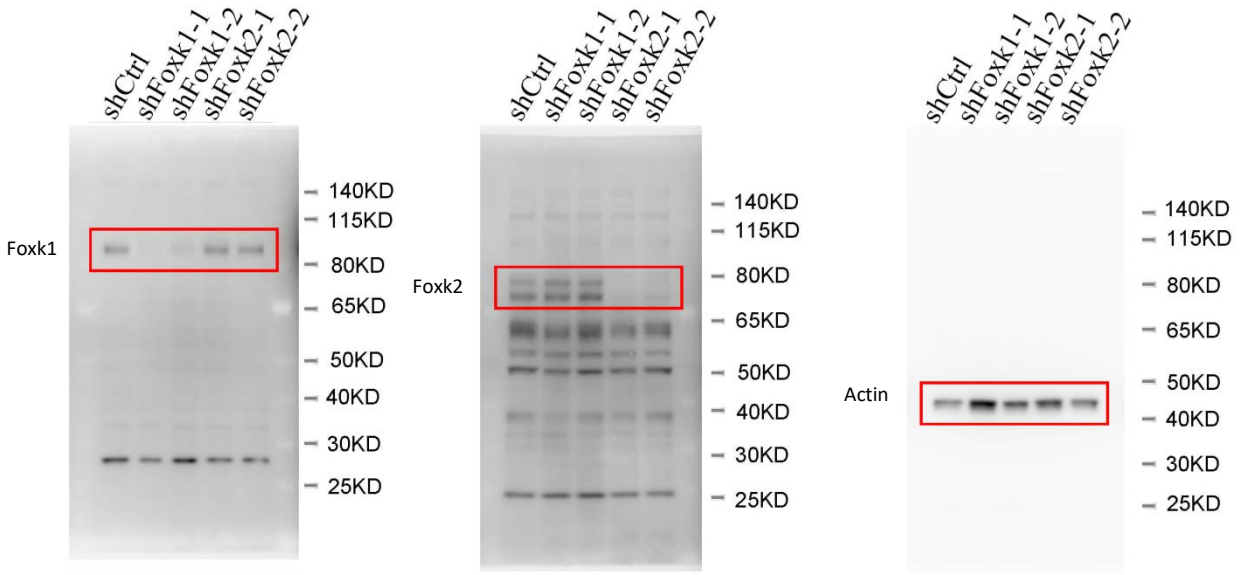
### 3. Actin



### 4. a-Flag



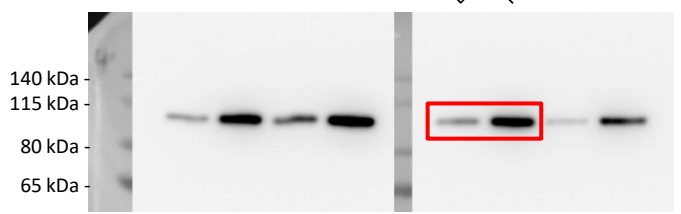
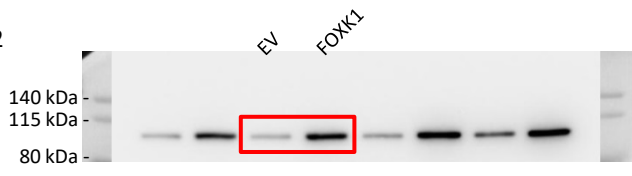
# Extended Data Figure 3a



# Extended Data Figure 5a

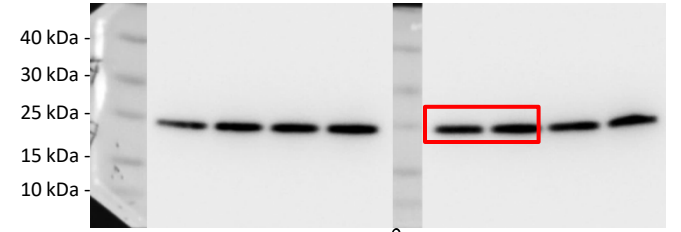
Blot image is merged with molecular weight

Hk2

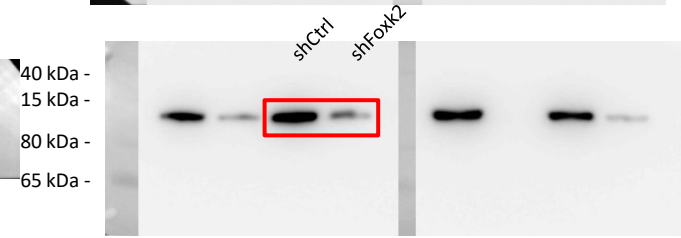
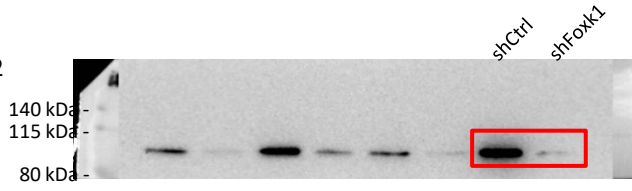


Middle part of membrane was used for Pdk4 WB

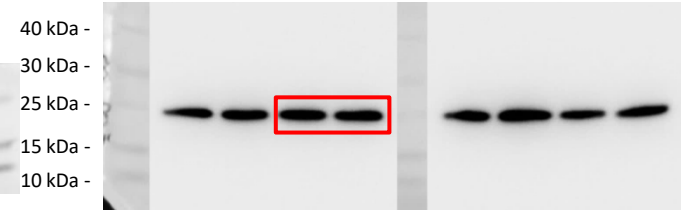
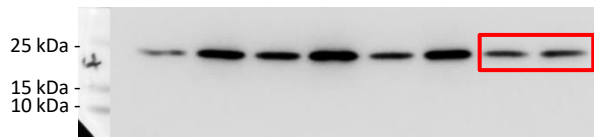
Cyc B



Hk2



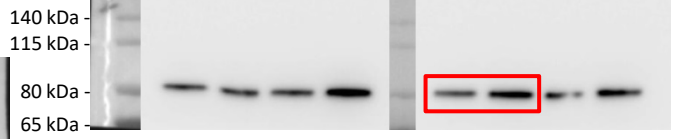
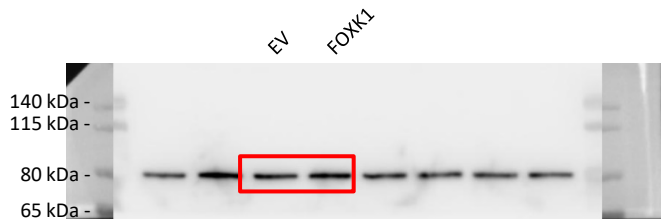
Cyc B



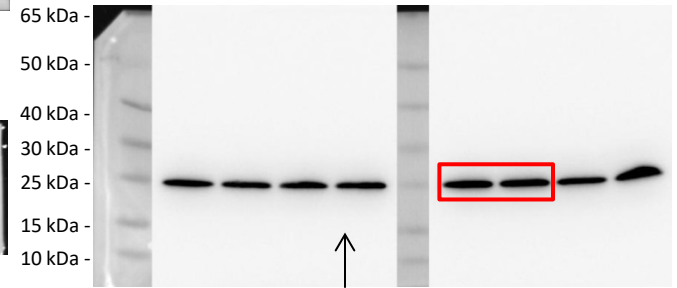
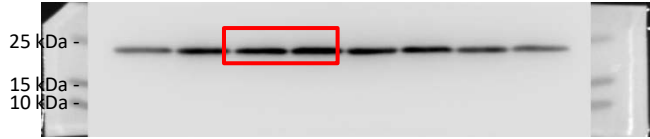
# Extended Data Figure 5b

Blot image is merged with molecular weight

Pfkm

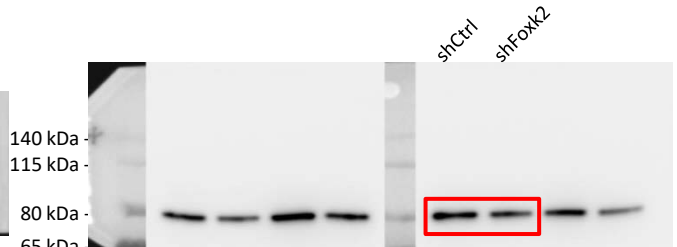
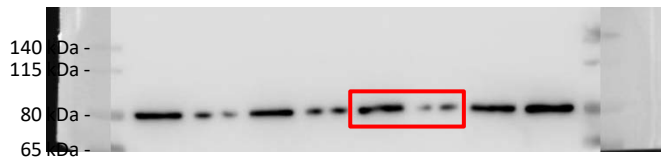


Cyc B

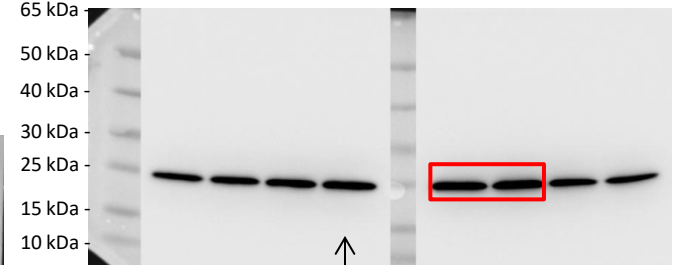
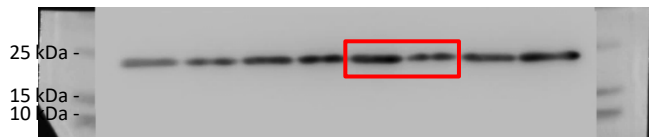


Membrane was stripped and used for Pdk4 WB

Pfkm



Cyc B

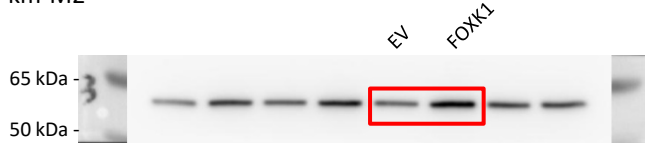


Membrane was stripped and used for Pdk4 WB

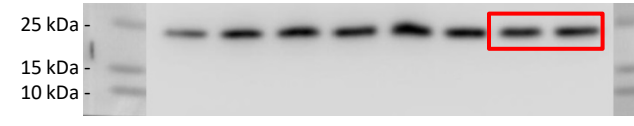
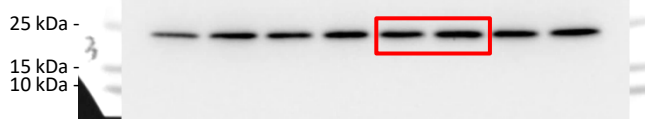
# Extended Data Figure 5c

Blot image is merged with molecular weight

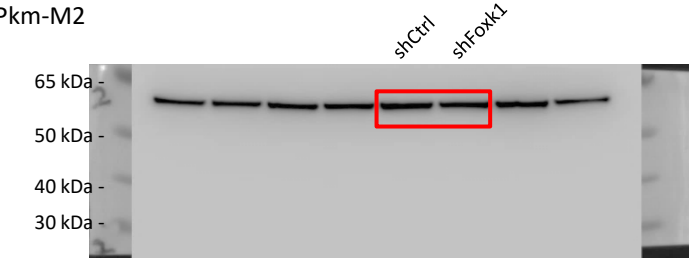
Pkm-M2



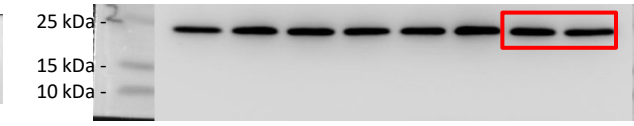
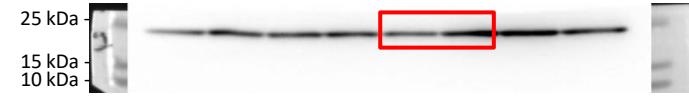
Cyc B



Pkm-M2



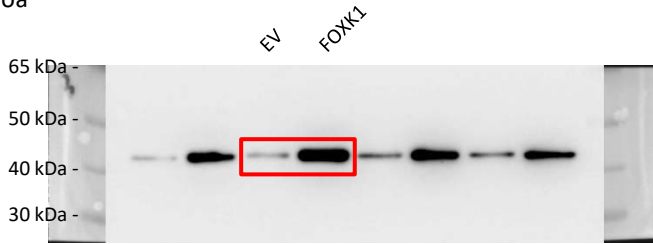
Cyc B



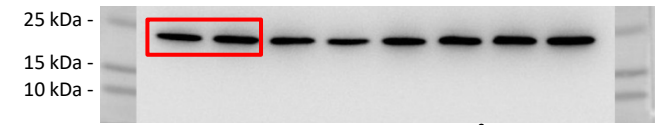
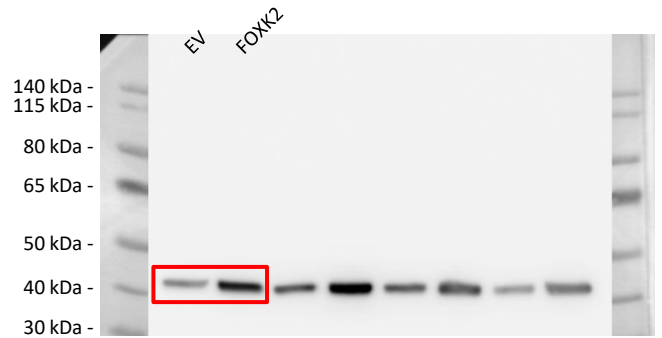
# Extended Data Figure 5d

Blot image is merged with molecular weight

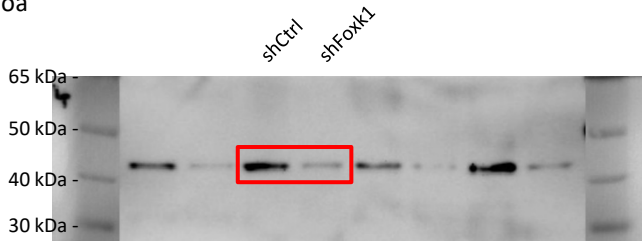
Aldoa



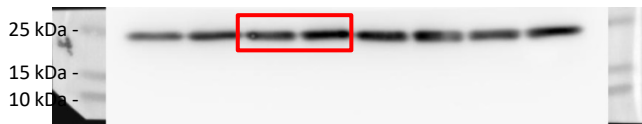
Cyc B



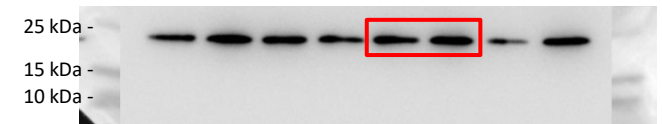
Aldoa



Cyc B



shCtrl shFoxk2

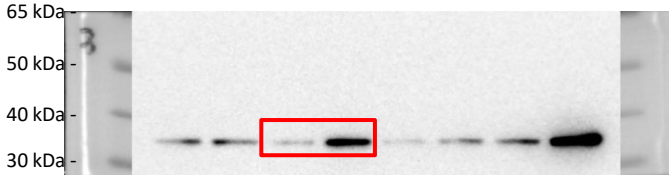


# Extended Data Figure 5e

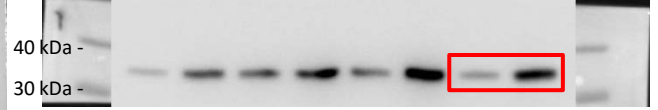
Blot image is merged with molecular weight

Ldha

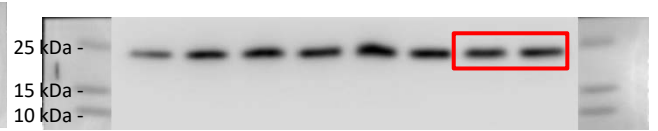
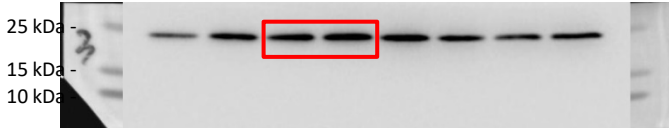
EV FOXK1



EV FOXK2

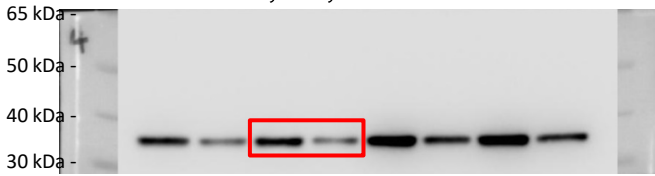


Cyc B

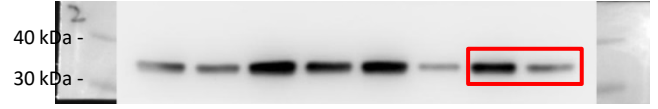


Ldha

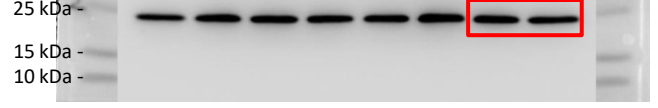
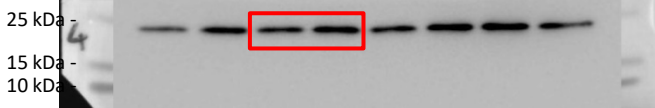
shCtrl shFoxk1



shCtrl shFoxk2



Cyc B

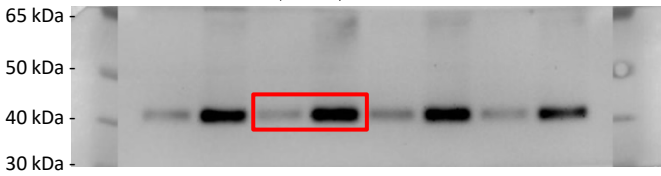


# Extended Data Figure 5f

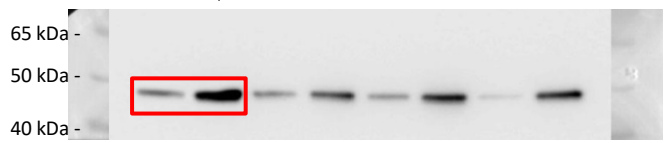
Blot image is merged with molecular weight

Mct1

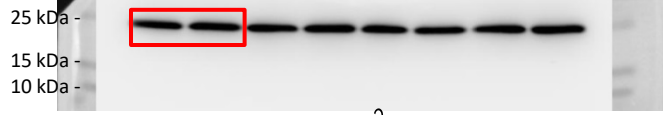
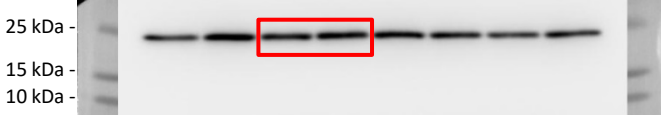
EV FOXK1



EV FOXK2

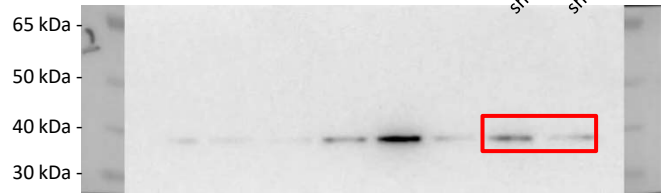


Cyc B

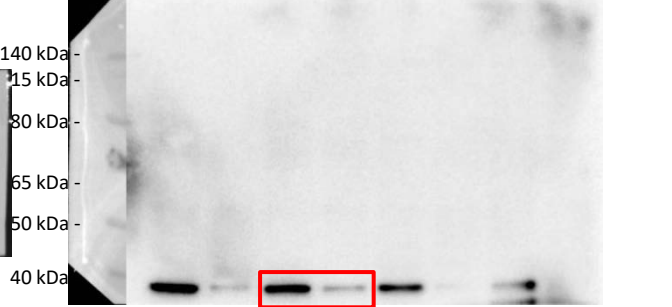


Mct1

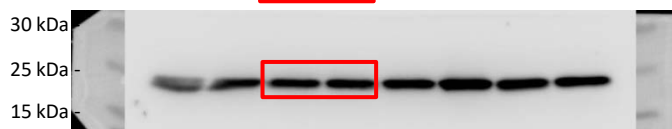
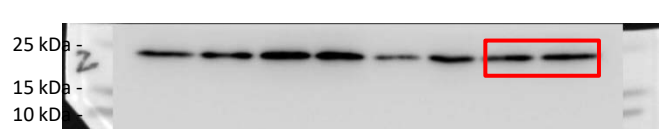
shCtrl shFoxk1



shCtrl shFoxk2

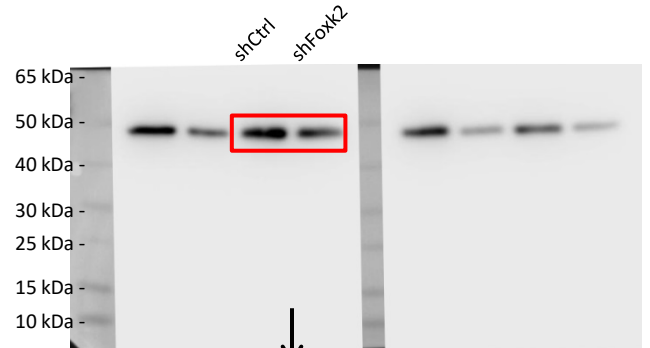
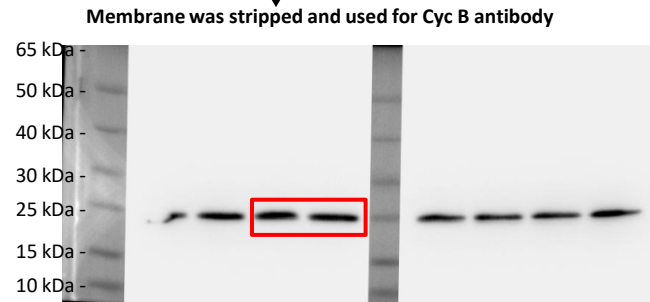
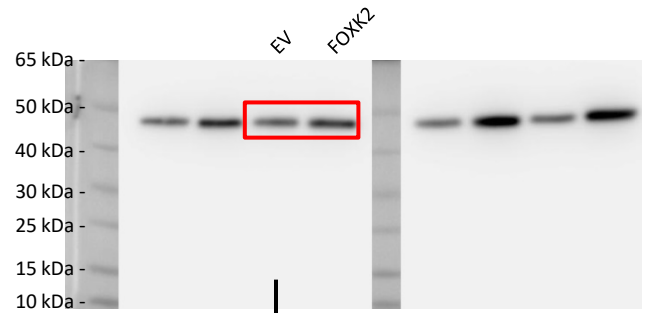
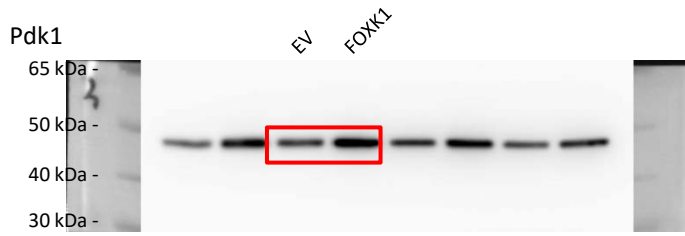


Cyc B



# Extended Data Figure 5g

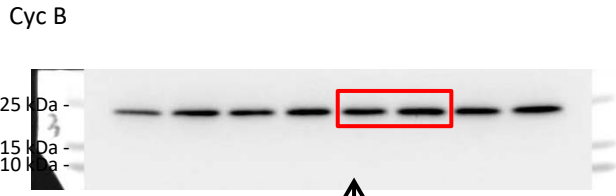
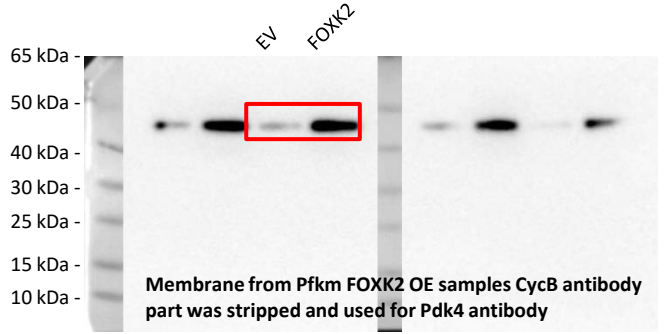
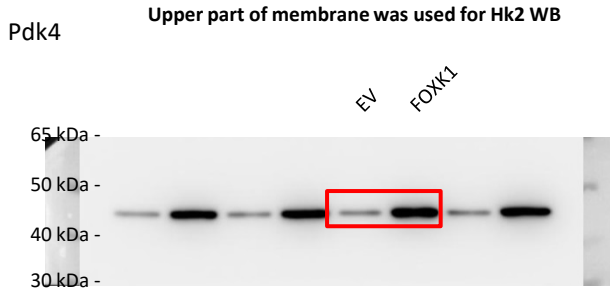
Blot image is merged with molecular weight



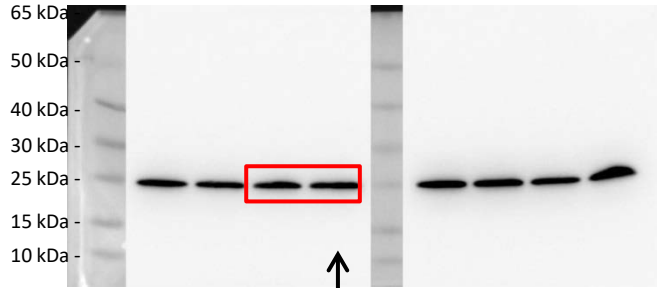


# Extended Data Figure 5h

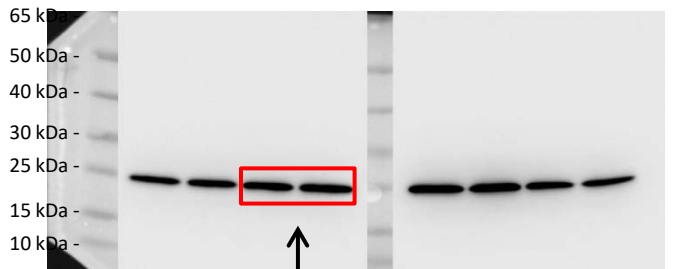
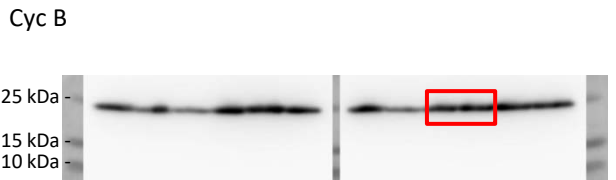
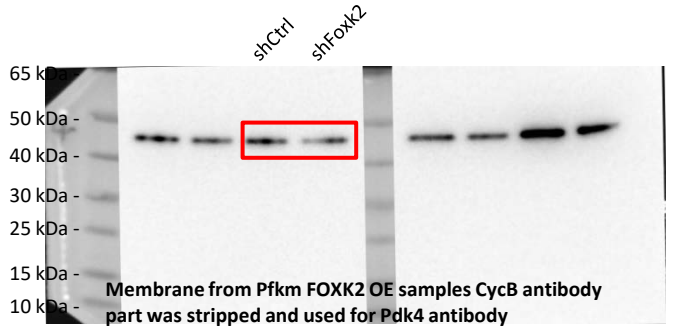
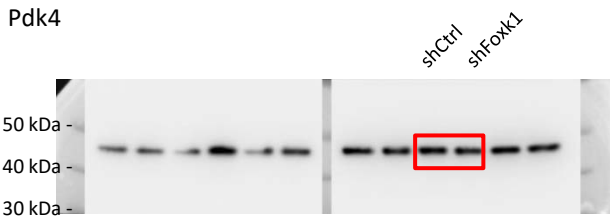
Blot image is merged with molecular weight



Same blot from Hk2 WB



Same blot from Pfk WB



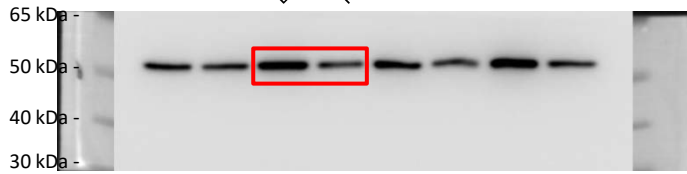
Same blot from Pfk WB

## Extended Data Figure 5i

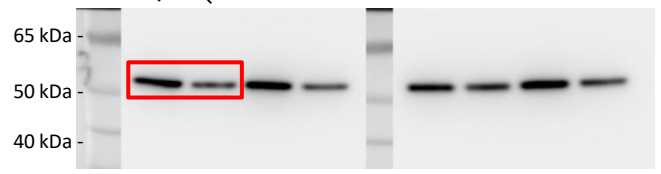
Blot image is merged with molecular weight

Pdp1

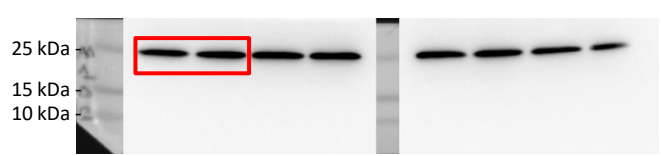
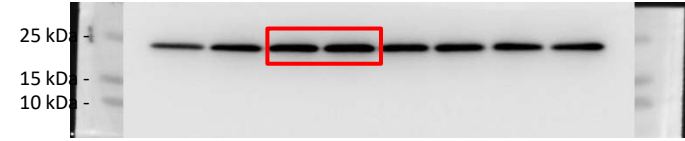
EV FOXK1



EV FOXK2

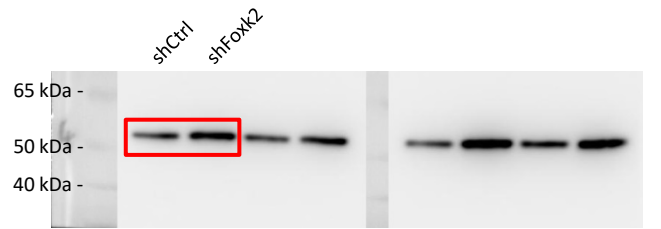
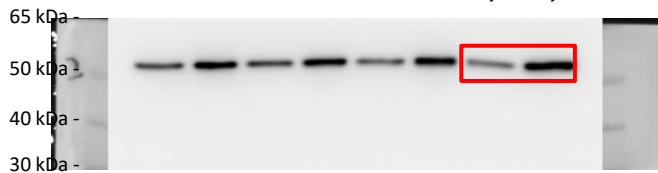


Cyc B

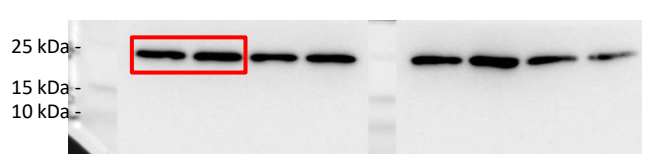
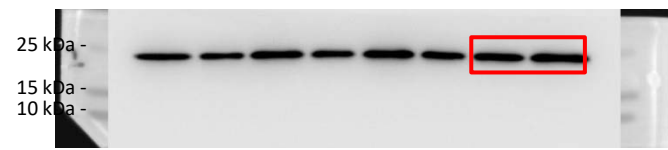


Pdp1

shCtrl shFoxk1



Cyc B

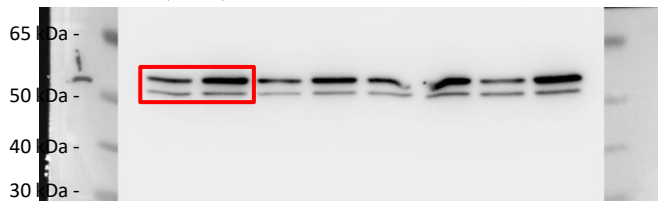


## Extended Data Figure 5j

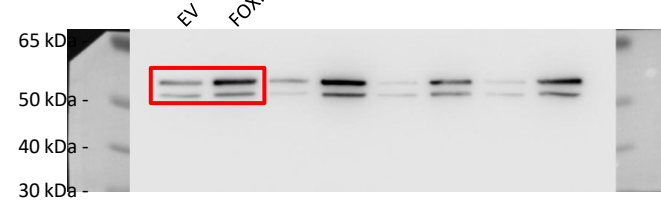
Blot image is merged with molecular weight

Glud1

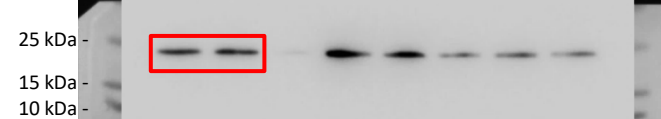
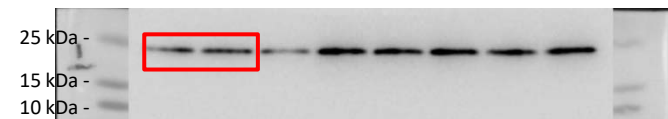
EV FOXK1



EV FOXK2

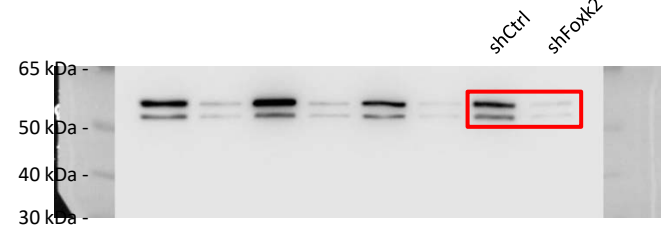
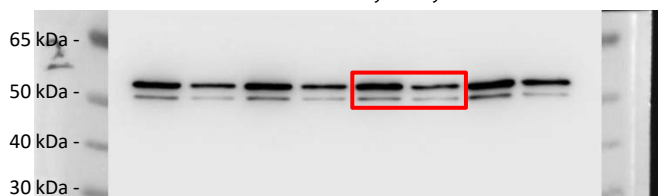


Cyc B

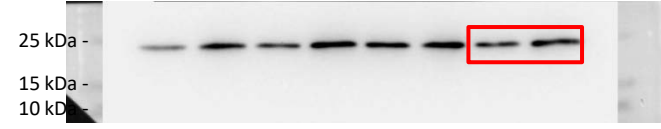
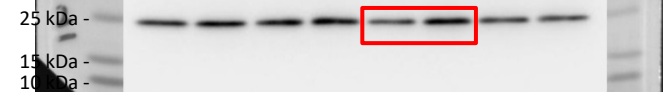


Glud1

shCtrl shFoxk1



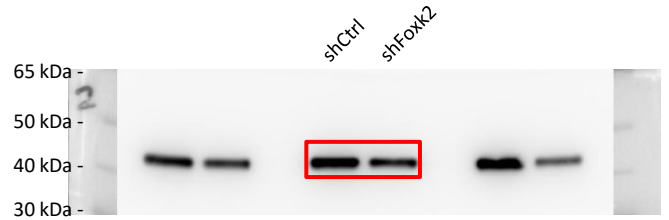
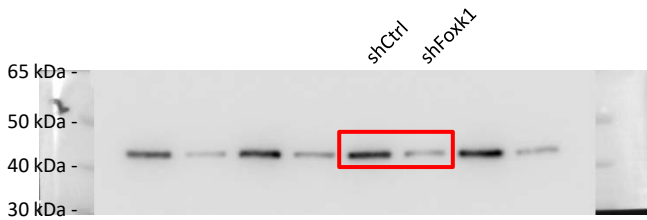
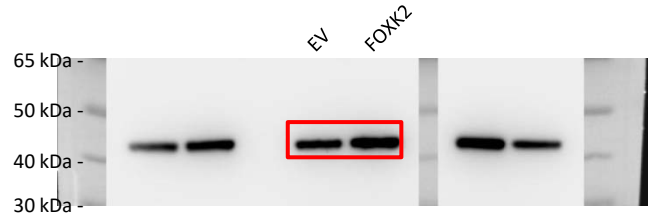
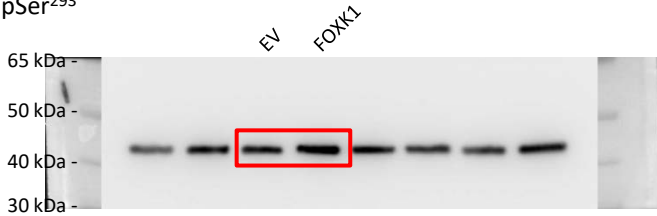
Cyc B



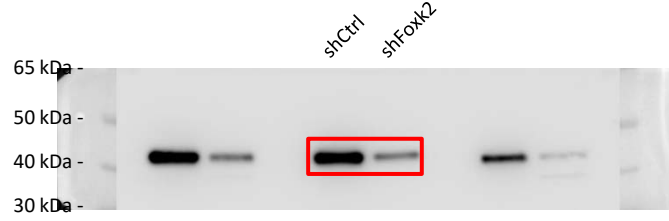
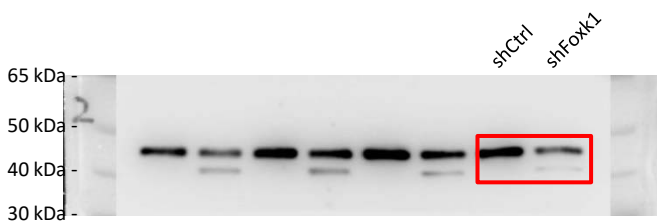
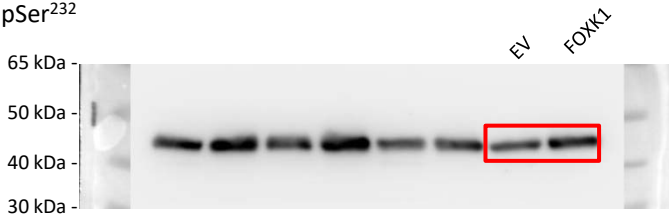
# Extended Data Figure 5k

Blot image is merged with molecular weight

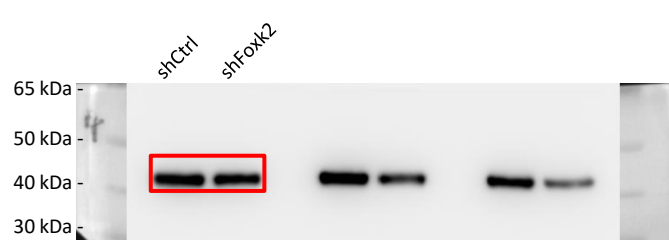
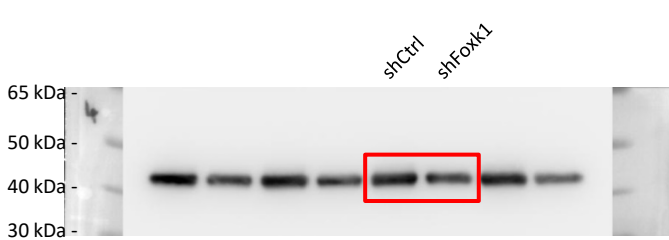
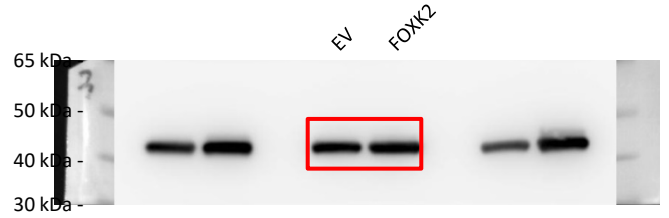
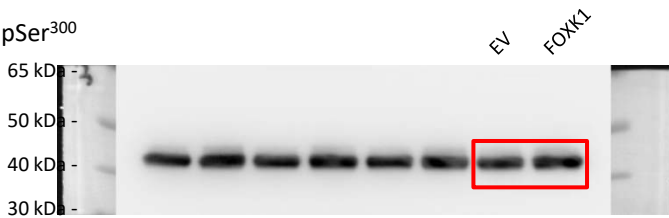
pSer<sup>293</sup>



pSer<sup>232</sup>



pSer<sup>300</sup>



# Extended Data Figure 5k

Silver staining after PDH complex IP

