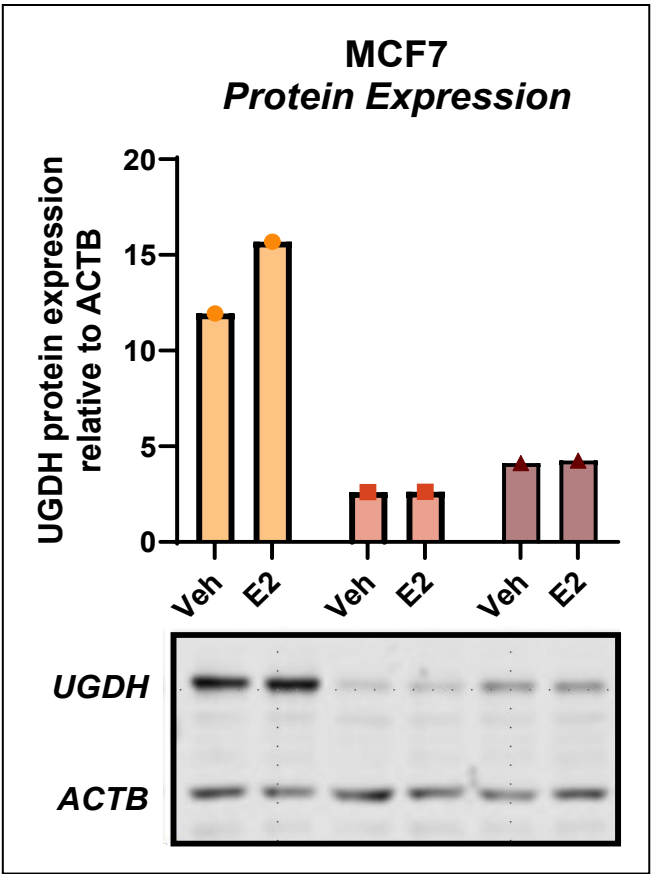


Figure 2B: MCF7 Protein Expression of UGDH

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	NT shRNA MCF7	U1 shRNA MCF7	U2 shRNA MCF7
Veh	11.94130926	2.615694165	4.119922631
E2	15.69518717	2.619392185	4.258064516



Re-run of experiment for Figure 2B. The original gel above was cut and the entire gel is represented in the image above. We have included an alternative version of Figure 2 with the below gel in place in case this would meet the journals standards.

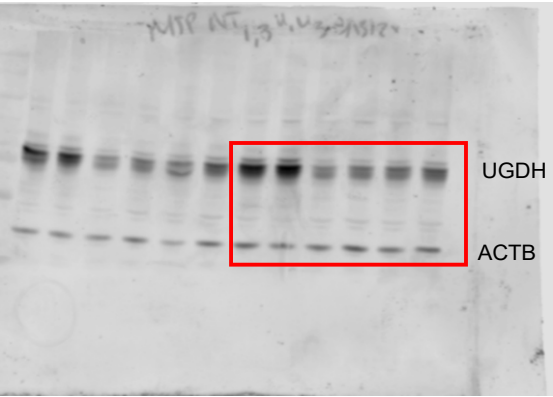


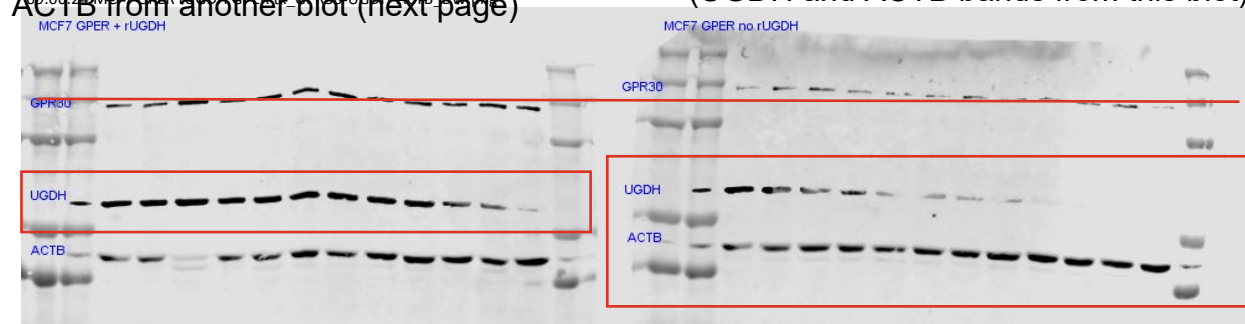
Figure 2C: MDA231 RNA values

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	NT shRNA MDA-MB-231	U1 shRNA MDA-MB-231	U2 shRNA MDA-MB-231
Veh	1.116260483	0.009018388	0.200092499
E2	1.133809746	0.013803286	0.102811033

Figure 4F: MCF7-GPER, + rUGDH
NT MCF7, U1 MCF7, U2 MCF7
G1, G15, G15+E2, G15+G1 tx
(UGDH bands from this blot)

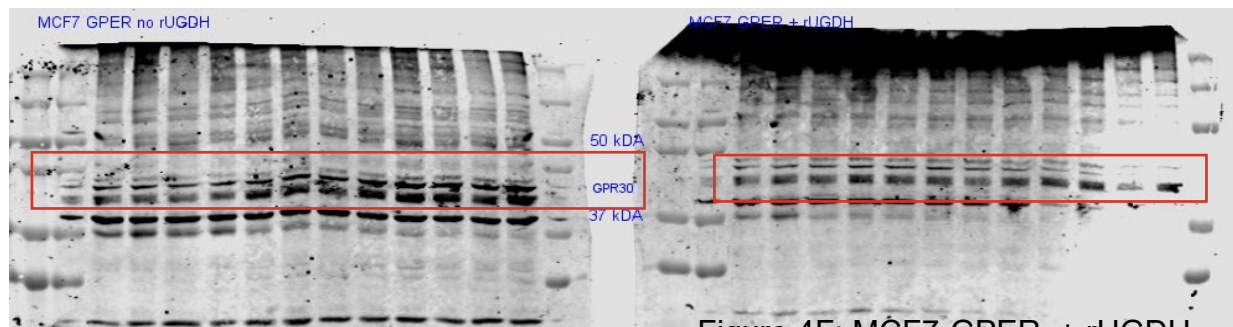
ACTB from another blot (next page)



strikethru;
nonspecific bands

**repeated GPR30 and ACTB on another blot with same lysates to get better bands
UGDH bands are from this blot and ACTB from no rUGDH are from this blot

(for rUGDH blot and GPR30 for no rUGDH)



**GPR30 bands from this blot

09.04.24 MCF7 GPER rUGDH GPER tx_GPR30 only BW.png

ACTB re-run on 9/24 --> find raw file

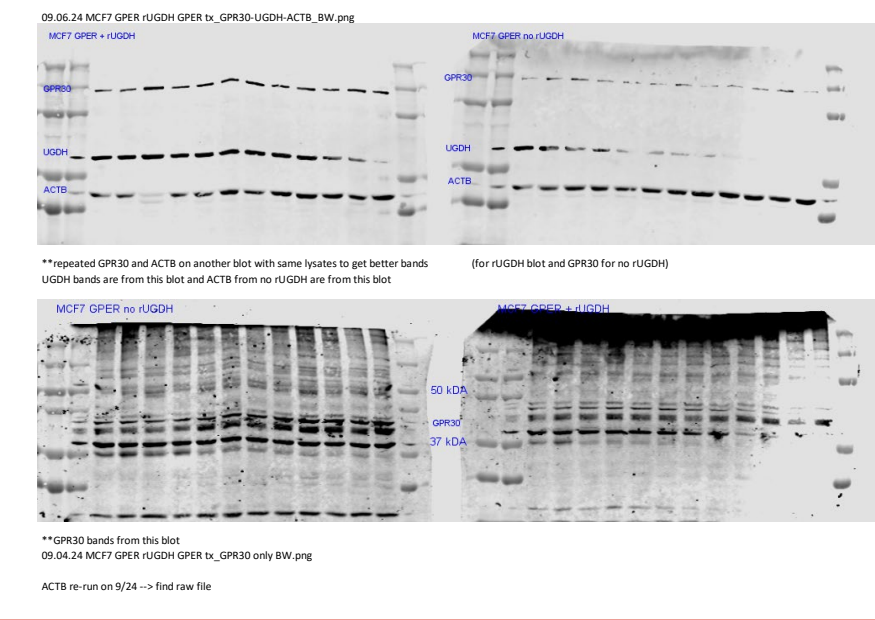
Figure 4C: MCF7-GPER, no rUGDH;
NT MCF7, U1 MCF7, U2 MCF7
G1, G15, G15+E2, G15+G1 tx
(GPR30 bands from this blot)

Figure 4C: MCF7-GPER, no rUGDH;
NT MCF7, U1 MCF7, U2 MCF7
G1, G15, G15+E2, G15+G1 tx
(UGDH and ACTB bands from this blot)

[Home](#)

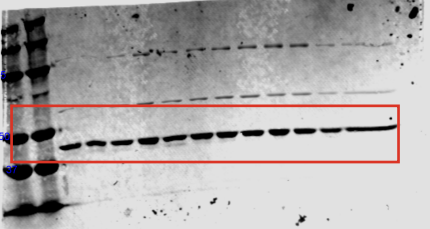
Figure 4F: MCF7-GPER, + rUGDH
NT MCF7, U1 MCF7, U2 MCF7
G1, G15, G15+E2, G15+G1 tx
(GPR30 bands from this blot)

Figure 4C: MCF7-GPER, no rUGDH (as above)



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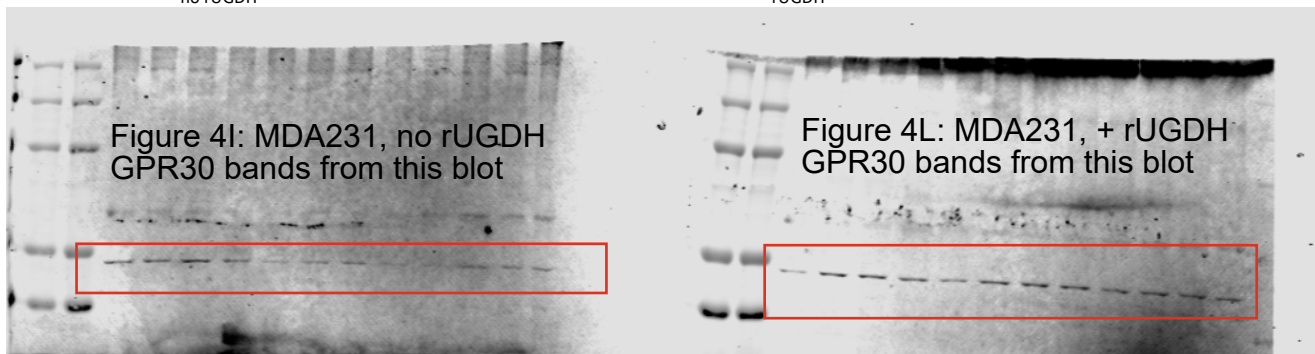
MCF7 GPER +/- rUGDH;GPR30 (r), UGDH (r), ACTB (m)



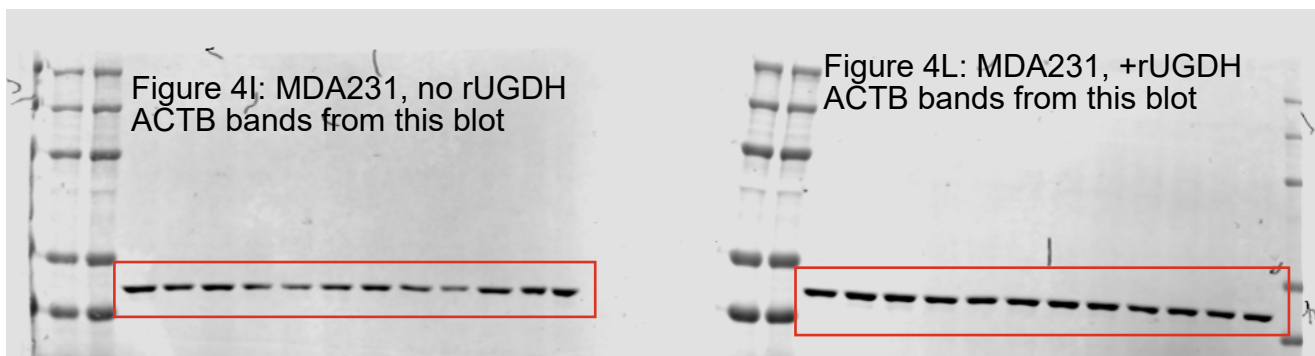
ACTB for Figure 4F

no rUGDH

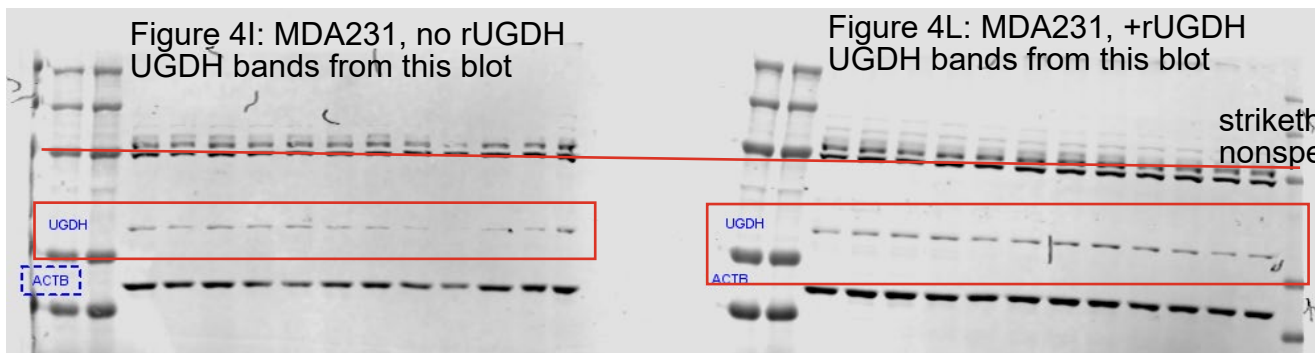
rUGDH



GPER is the bottom band
(in between 75kDA and 50kDA)



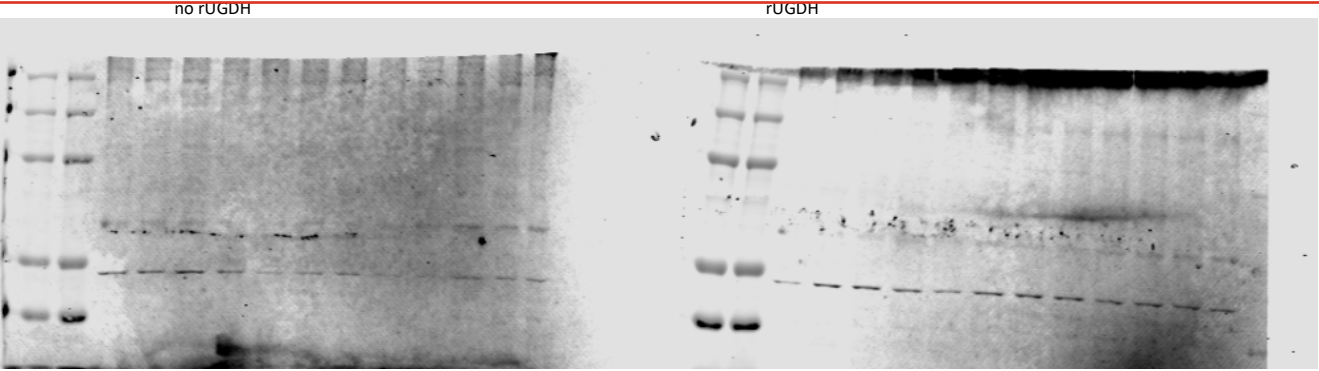
ACTB is this bottom band (10.21.24 MDA231 ACTB_GPERTx w-wo rUGDH BW)



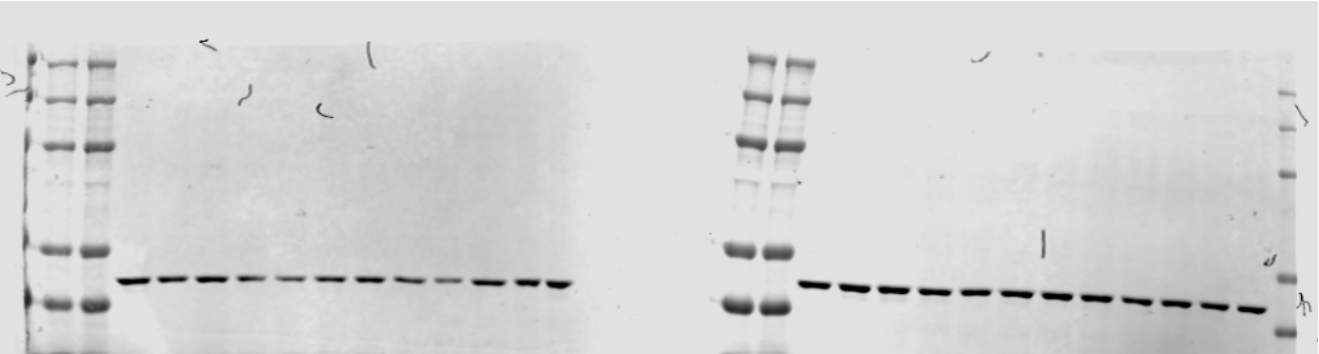
**nonspecific bands at 90-100 kDA

Figure 4I and Figure 4L Western Blots (this is a duplicate slide)

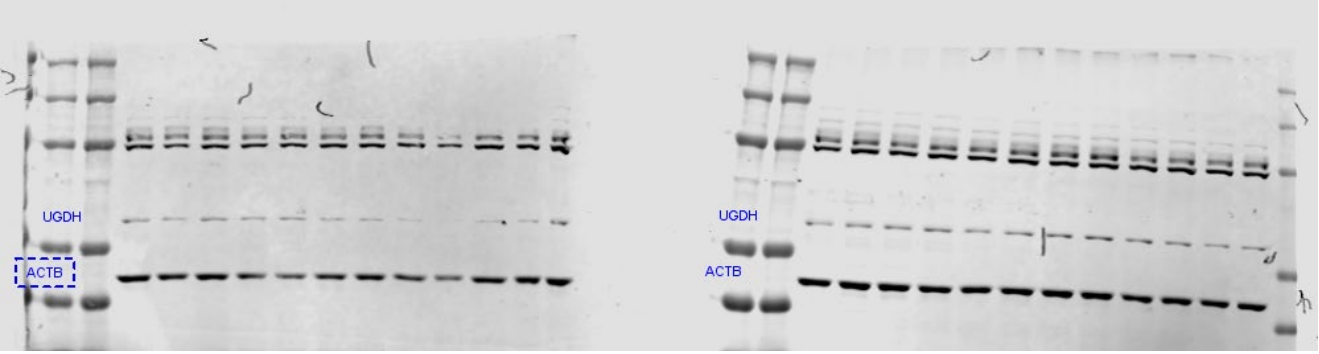
[Home](#)



GPER is the bottom band
(in between 75kDa and 50kDa)



ACTB is this bottom band (10.21.24 MDA231 ACTB_GPERTx w-wo rUGDH BW)



**nonspecific bands at 90-100 kDa

Supp. 1B_ER+ treated with estrogen for 24h (+) and 48h (++) , cell lines UGDH expression

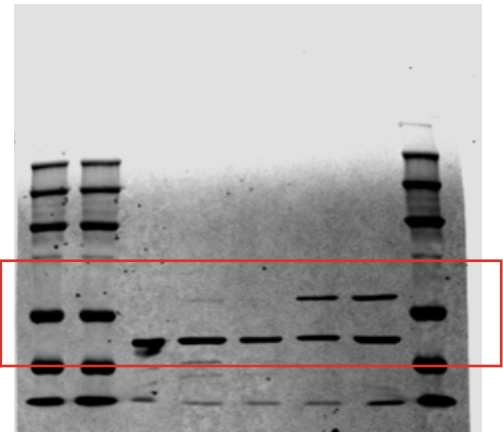
[Home](#)

MCF7			T47D			BT483			ZR-751			CAMA1		
-	+	++	-	+	++	-	+	++	-	+	++	-	+	++
5.5	6.8	6	1	1.25	1.65	3.25	3.1	3	1.9	1.85	1.75	1.85	2	1.5

Supp. 1C_ER negative breast cancer cell lines, UGDH protein expression

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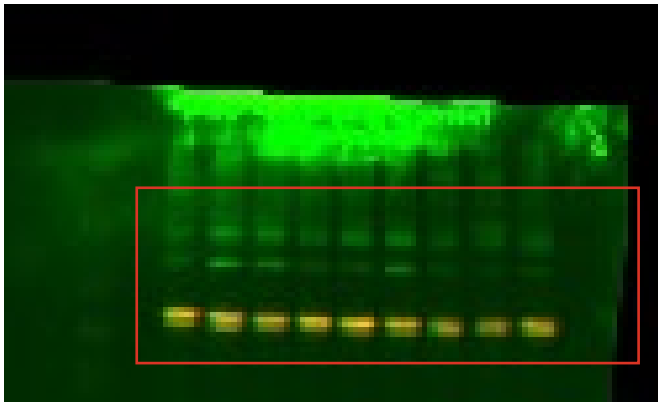
NT	MDA-MB-231	MDA-MB-231	MDA-MB-468	MDA-MB-436	MCF7 (+ control)
	0.035718	0.023544	0.052273	0.056201	0.046843



Supp. Fig. 1C: ER- breast cancer
UGDH protein expression

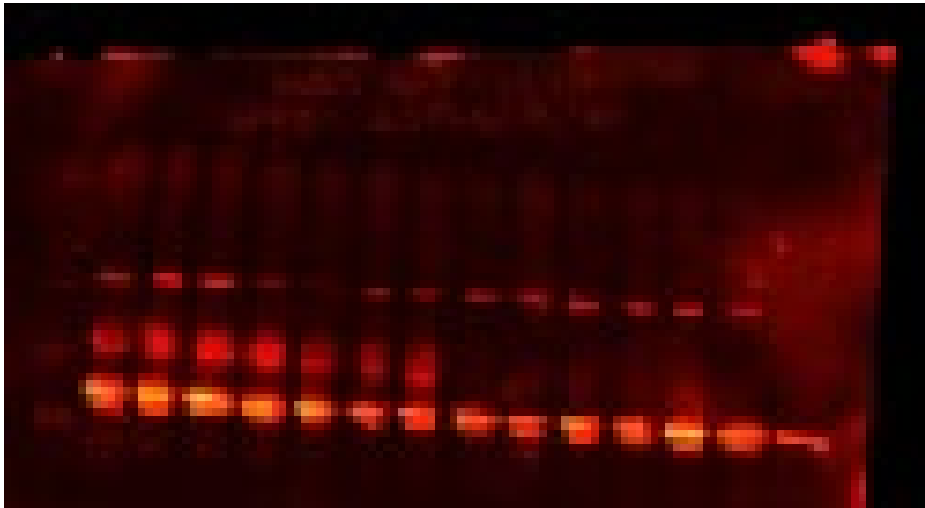
[Home](#)

Supp. Fig. 4A: MCF7 GPER blot, raw image
GPER and ACTB



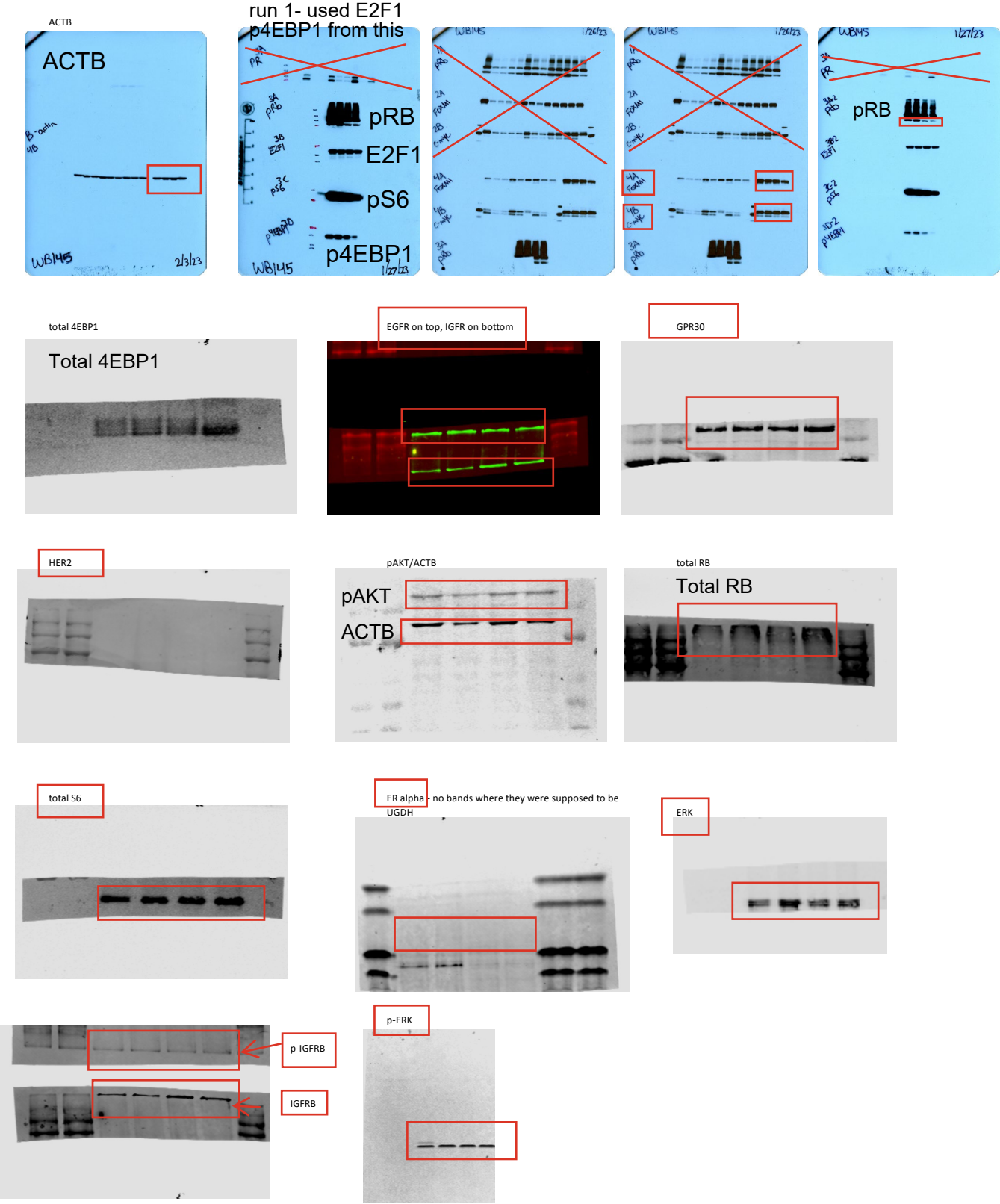
[Home](#)

Supp. Fig. 4B - MDA231 GPER blot

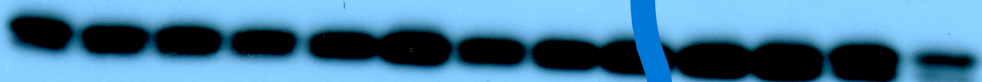


Supp. Fig. 5A_MDA231 mTOR blots

Home Samples are the last four bands of each scanned blot: NT 231 + Veh, NT 231 + E2, U1 231 + Veh, and U1 231 + E2



1D
P4EBP1



2C
CCND1



3C-2
PS6



3D-2
P4EBP1

