Table S1. Primary UM samples demographic data.

	Age	Gender	Survival Status
UMM063	66	M	Alive
UMM065	44	F	Alive
UMM069	80	F	Expired
UMM079	81	F	Alive

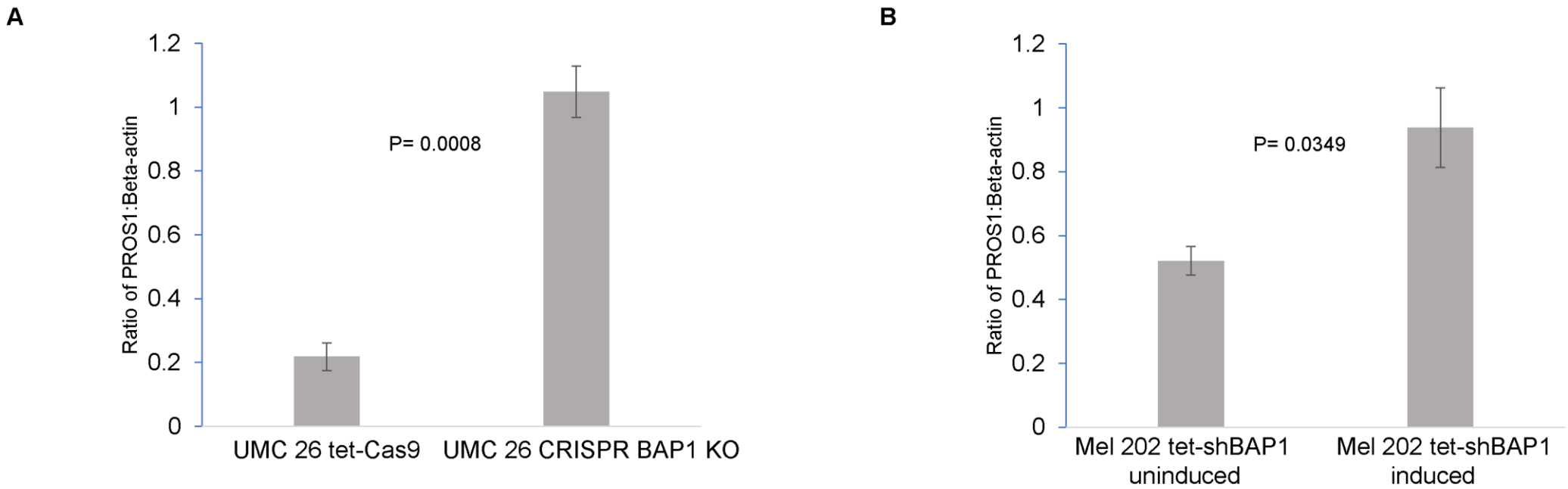


Figure S1. (**A**) Western blots of lysates from UMC026 tet-Cas9 and UMC026 CRISPR BAP1-KO cells reveal increase of PROS1 protein following BAP1 KO by densitometric quantitation of multiple blots (n=3). (**B**) Western blots of lysates from Mel202 tet-shBAP1 uninduced and Mel202 tet-shBAP1 uninduced reveal increase of PROS1 protein following BAP1 knockdown by densitometric quantitation of multiple blots (n=3). Error bars=SEM.

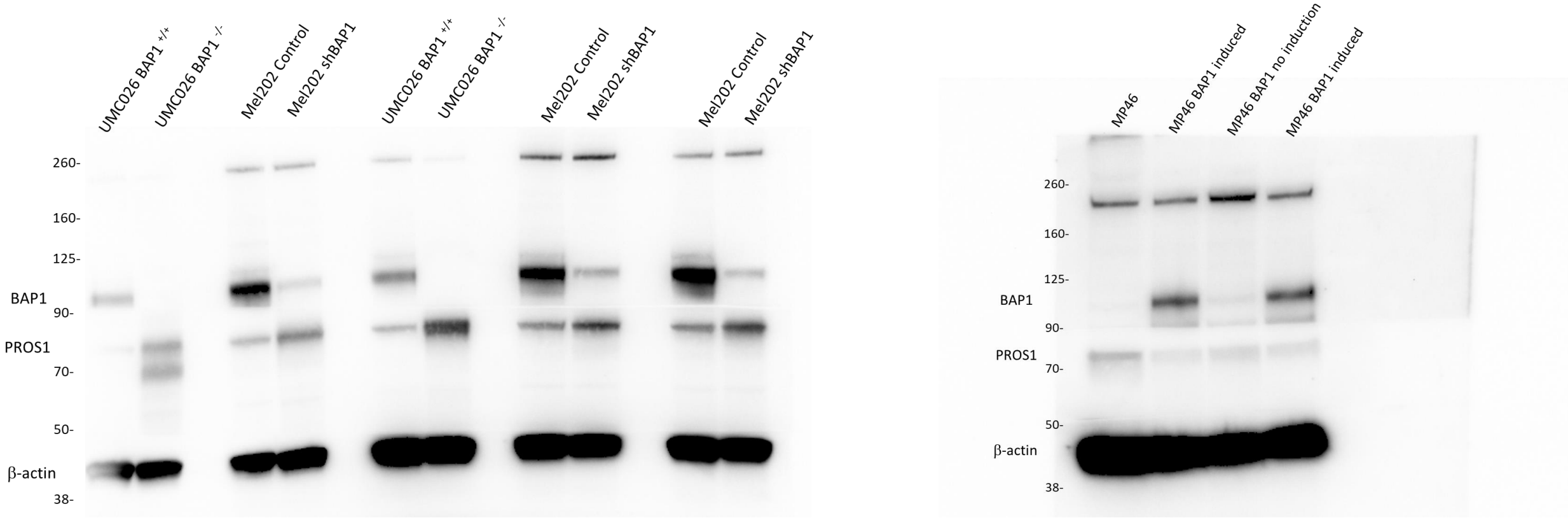


Figure S2. Full Western blot images for Figure 1

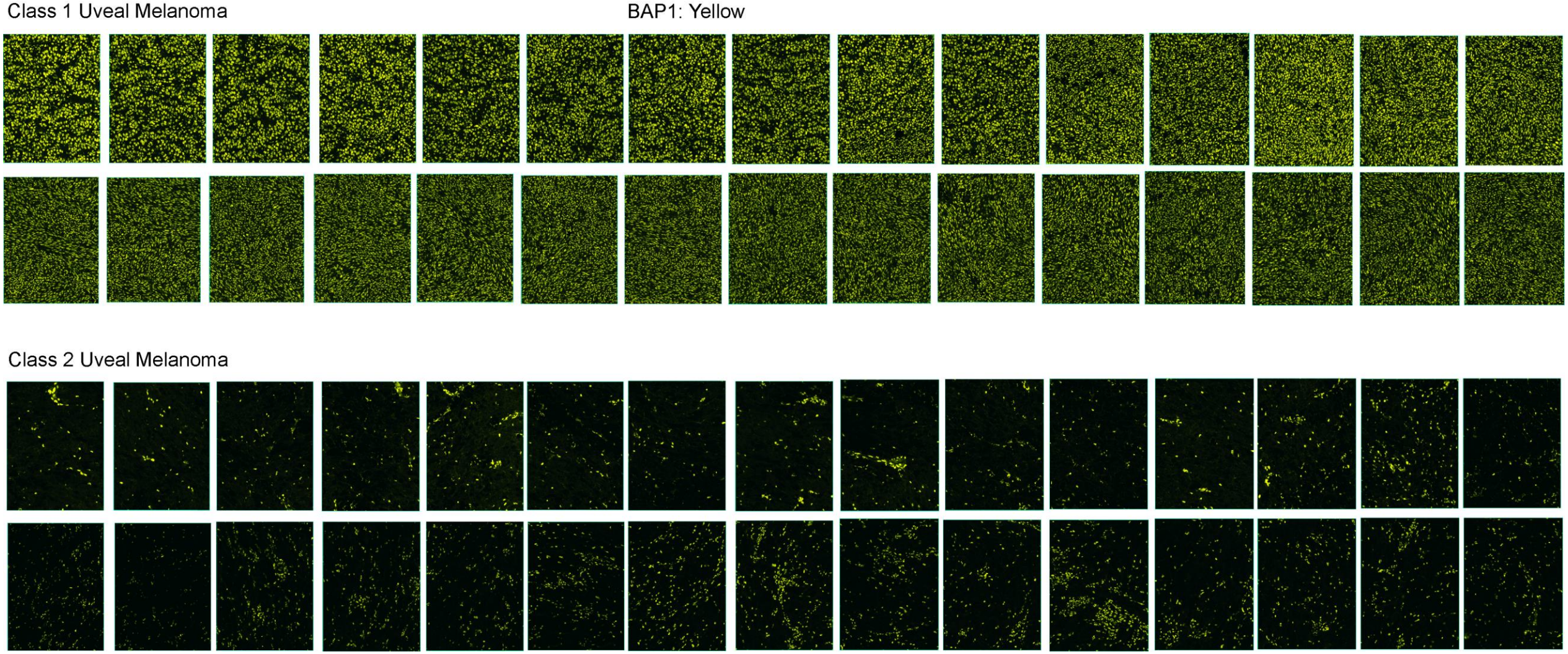


Figure S3. Immunohistochemistry for BAP1 from 60 regions from class 1 (UMM65, UMM79) and class 2 (UMM63, UMM69) uveal melanomas.

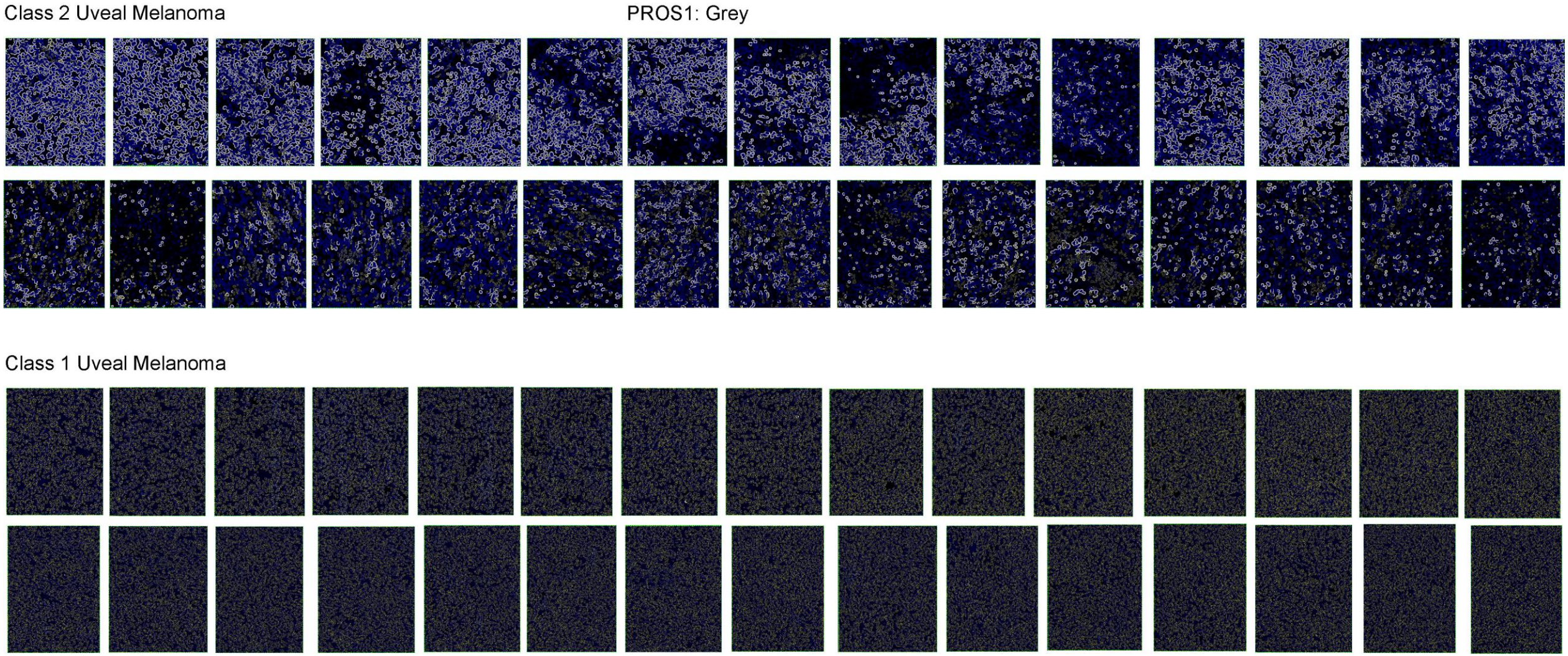


Figure S4. Immunohistochemistry for PROS1 from 60 regions from class 1 (UMM65, UMM79) and class 2 (UMM63, UMM69) uveal melanomas.

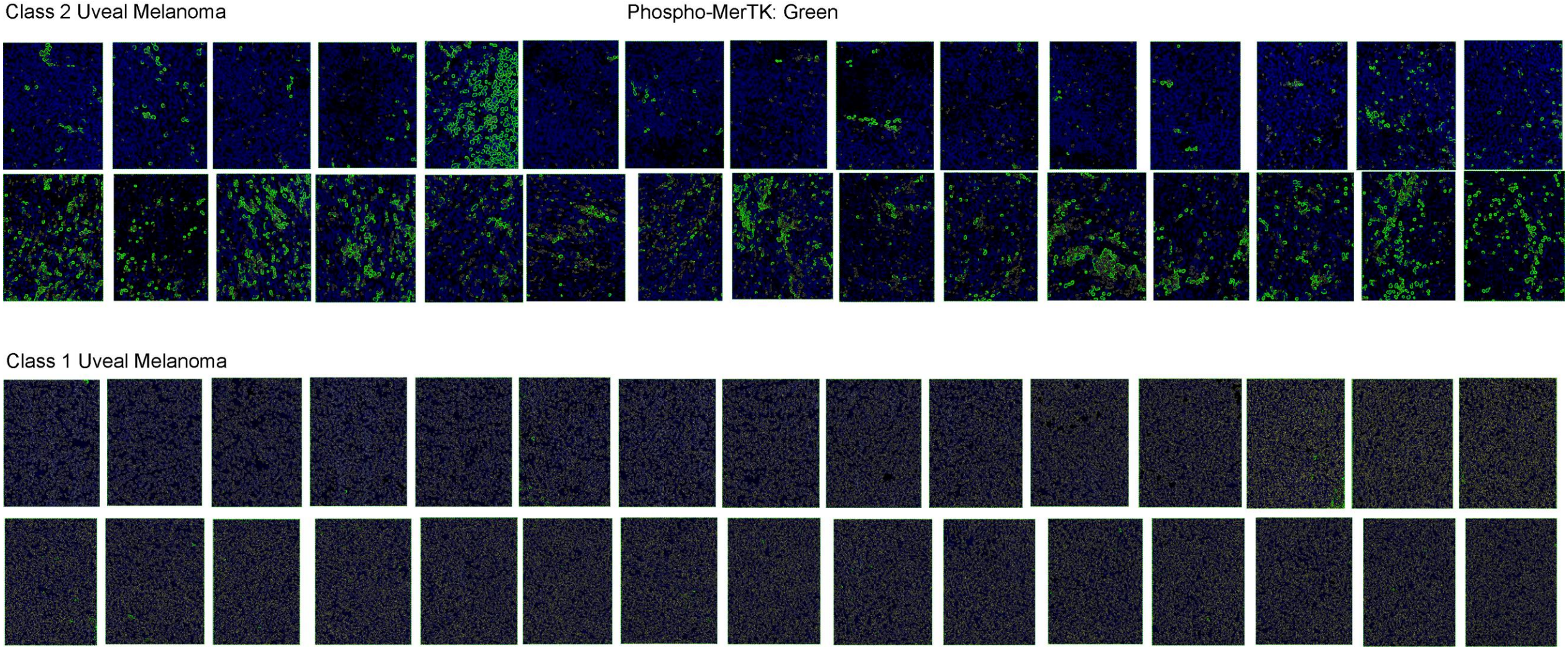


Figure S5. Immunohistochemistry for phospho-MERTK regions from class 1 (UMM65, UMM79) and class 2 (UMM63, UMM69) uveal melanomas.

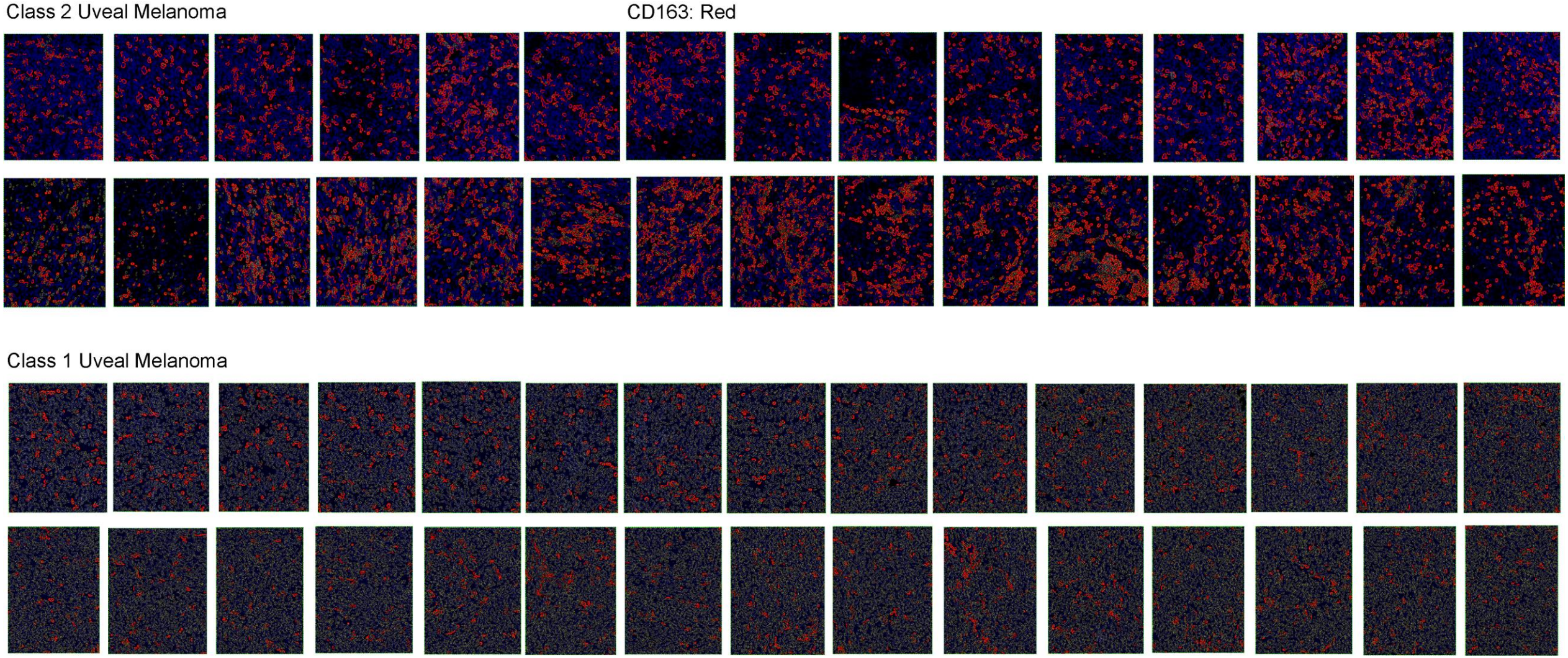


Figure S6. Immunohistochemistry for CD 163 from 60 regions from class 1 (UMM65, UMM79) and class 2 (UMM63, UMM69) uveal melanomas.

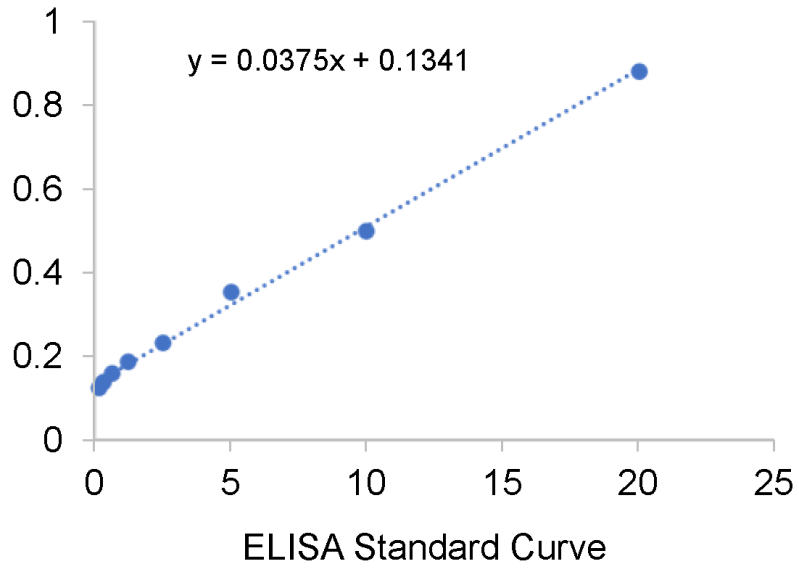
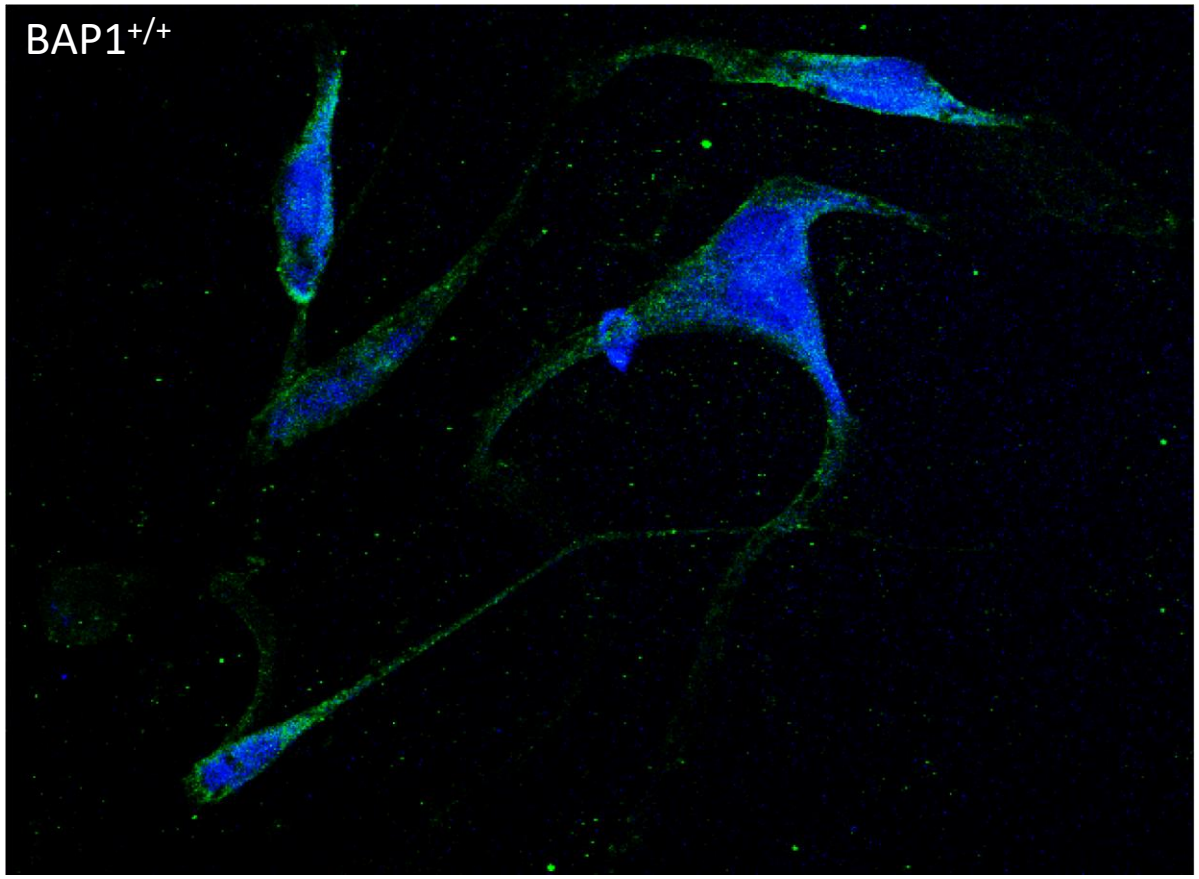


Figure S7. ELISA standard curve documenting linearity of analyte concentration.



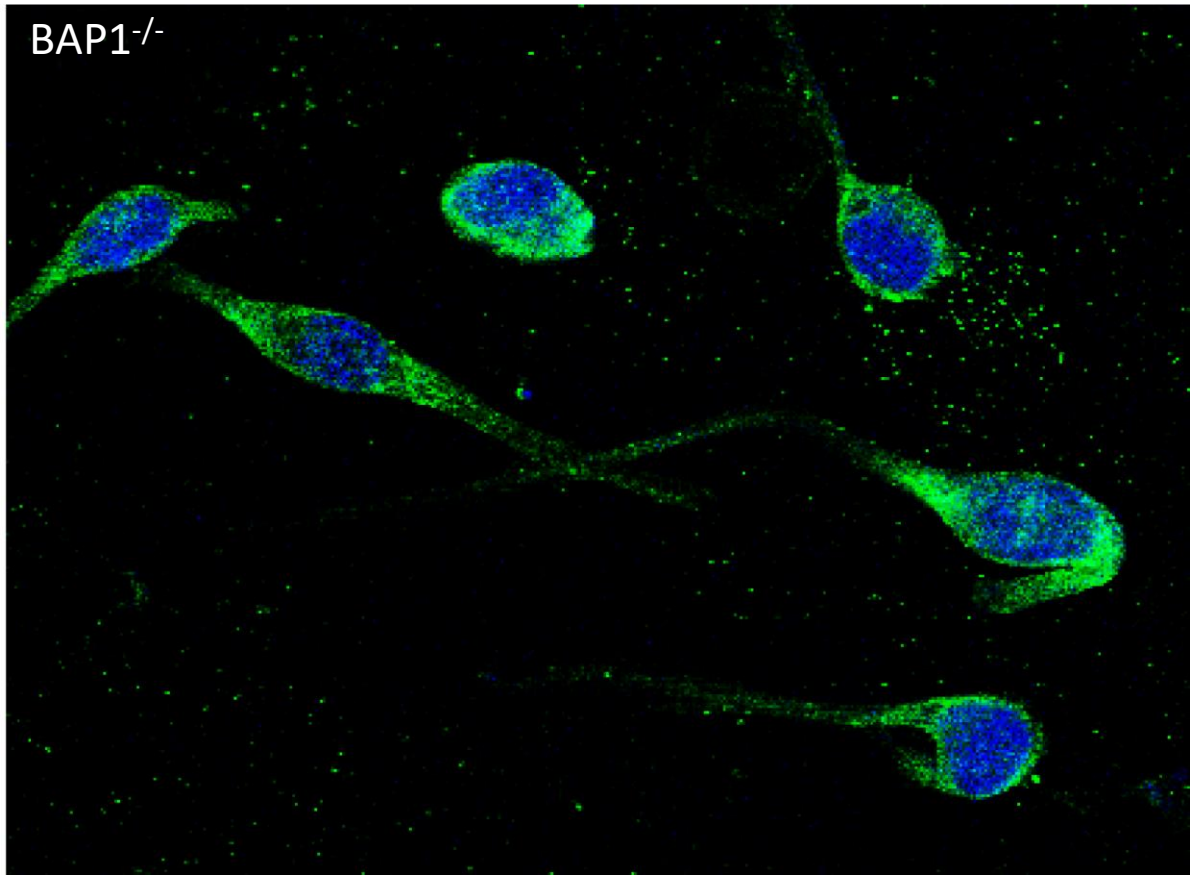
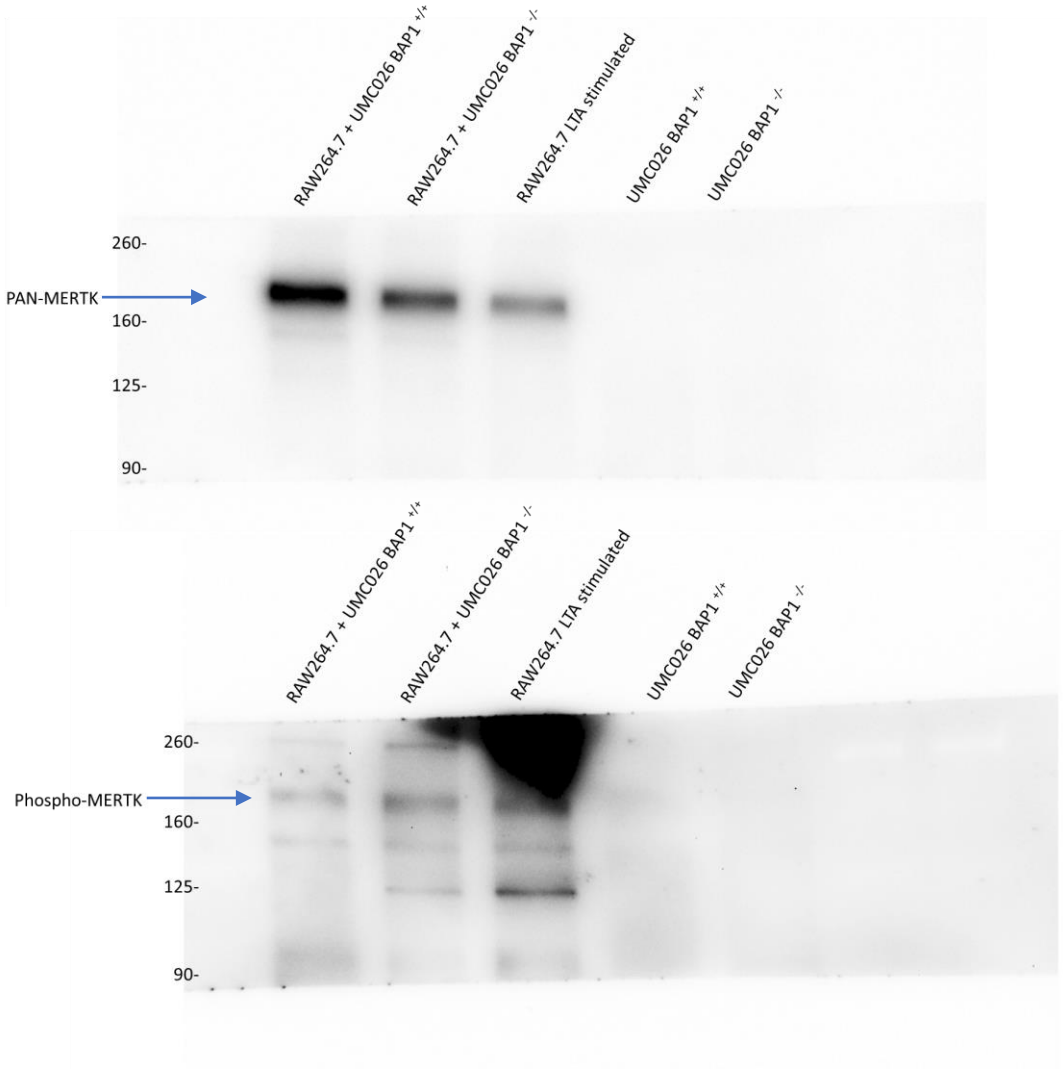


Figure S8. Confocal microscopy images of UMC026 cells with or without BAP1 knockout immunostained for PROS1 (green). Blue= DAPI nuclear stain.



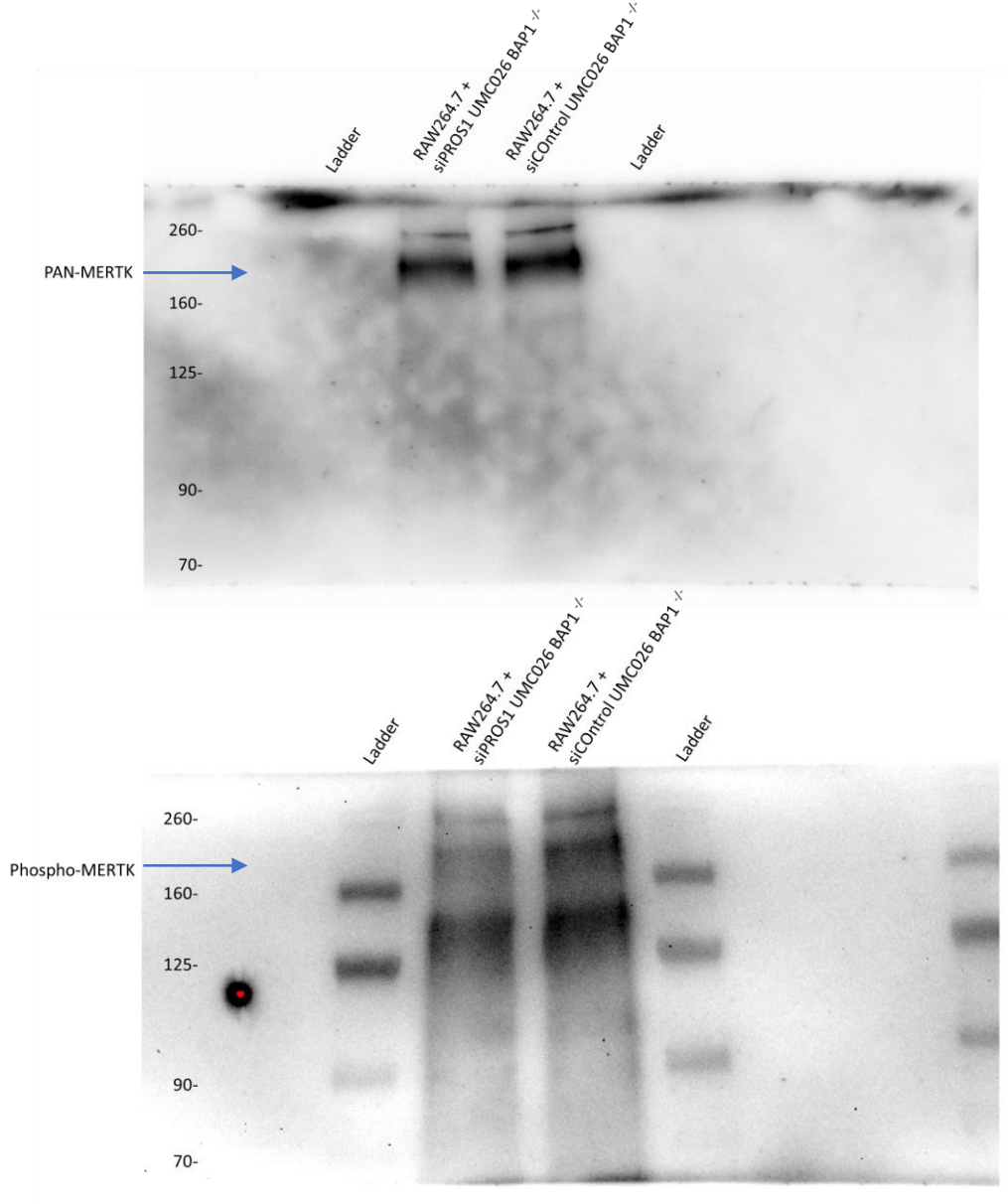


Figure S9. Full Western blot images for Figure 4.

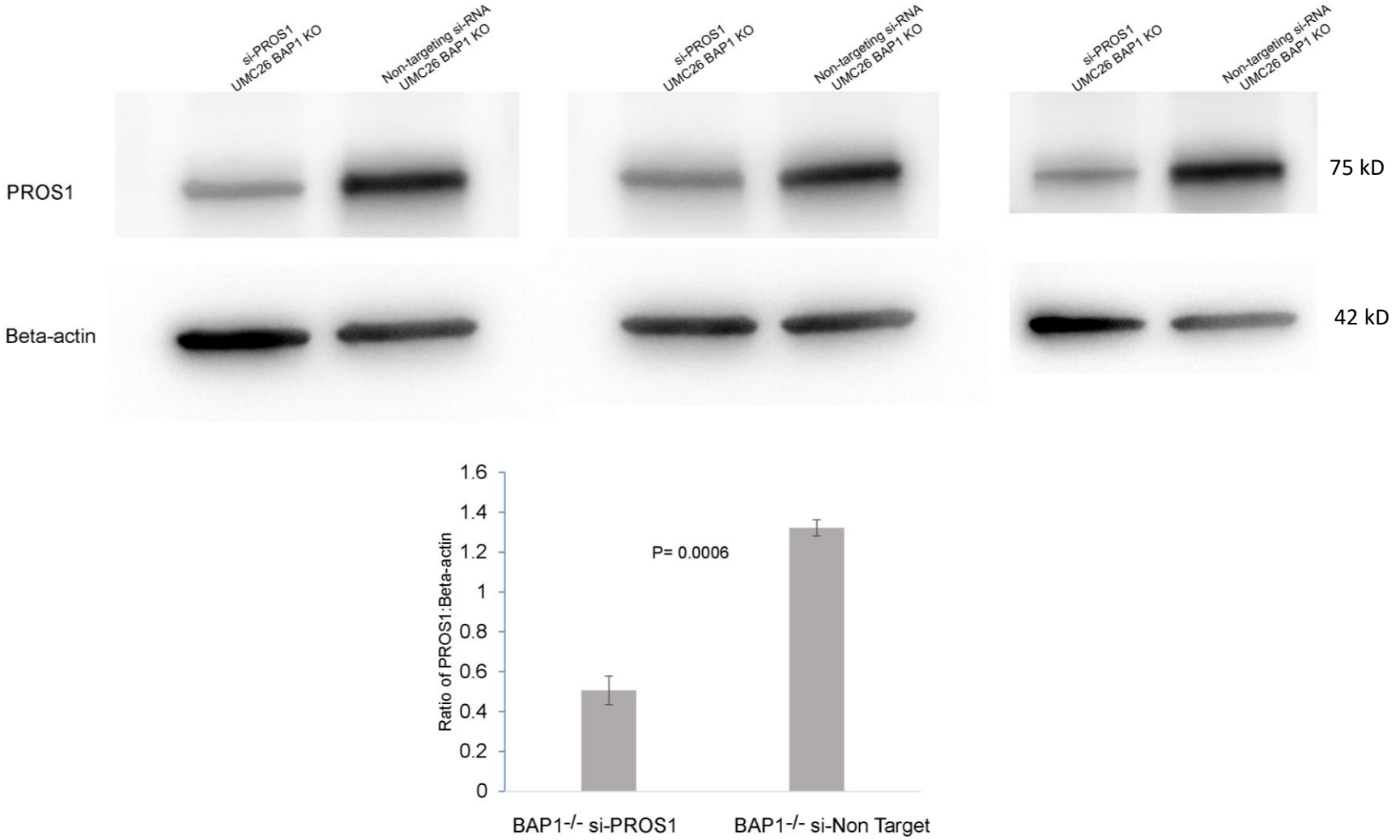


Figure S10. Confirmation of PROS1 knockdown in UMC026 BAP1-negative cells used in RAW cell co-culture functional assays. Western blots of lysates from the UMC026 BAP1-KO cells used in co-culture experiments (**Figure 4E, F**) indicate siRNA knockdown of PROS1 in a range of 52-75% by densitometric quantitation of multiple blots (n=3). Error bars=SEM.

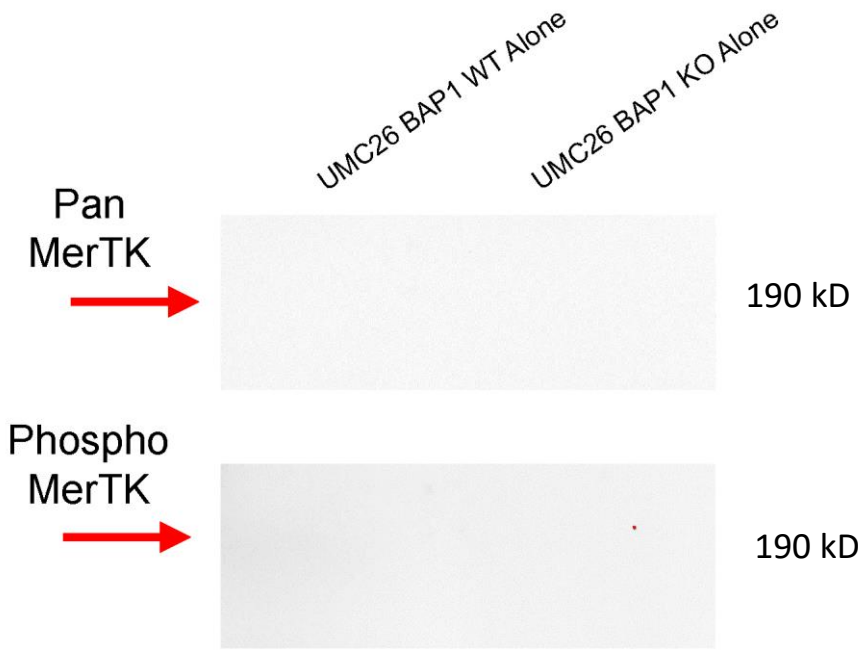


Figure S11. Immunoprecipitated MERTK expression is undetected when the melanocyte cell lines are cultured independently of RAW 264.7 cells.