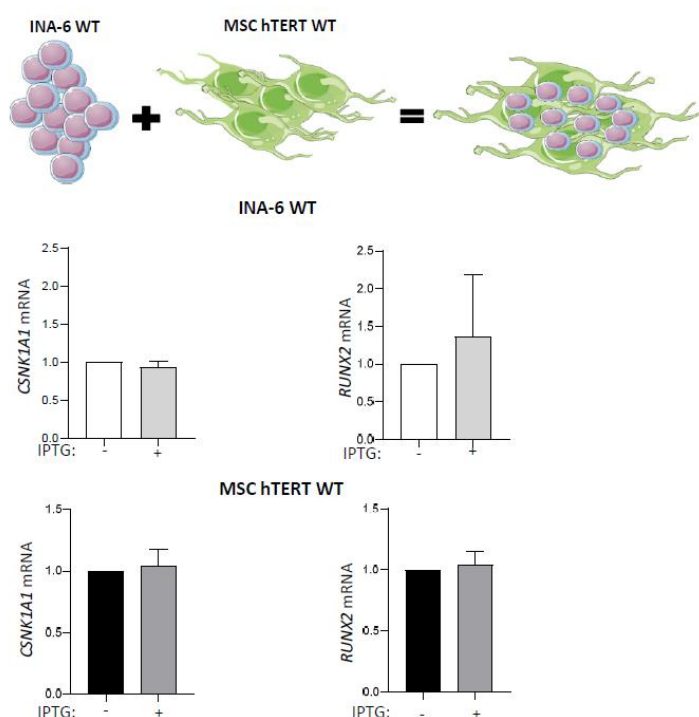


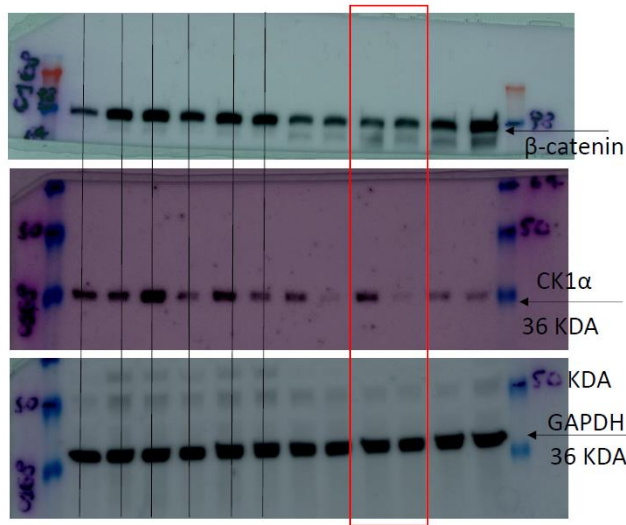
Supplementary materials

# CK1 $\alpha$ /RUNX2 Axis in the Bone Marrow Microenvironment: A Novel Therapeutic Target in Multiple Myeloma

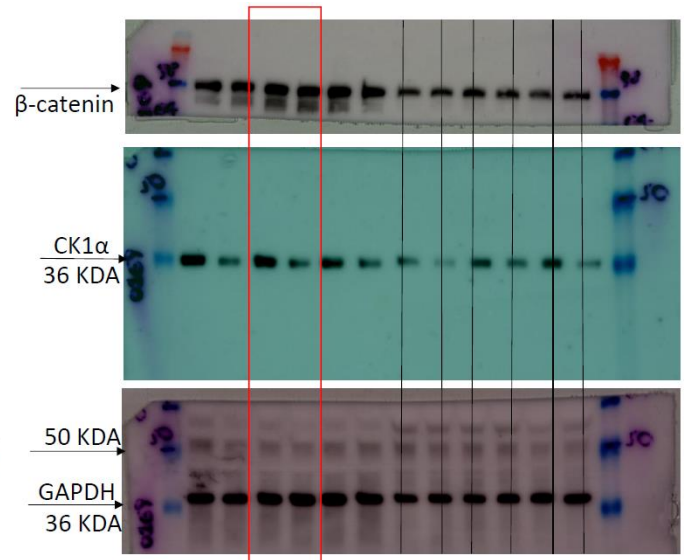
Anna Fregnani, Lara Saggin, Ketty Giancesin, Laura Quotti Tubi, Marco Carraro, Gregorio Barilà, Greta Scapinello, Giorgia Bonetto, Maria Pesavento, Tamara Berno, Antonio Branca, Carmela Gurrieri, Renato Zambello, Gianpietro Semenzato, Livio Trentin, Sabrina Manni and Francesco Piazza



**Figure S1.** IPTG treatment of WT INA-6–MSC-hTERT co-cultured cells did not affect RUNX2 expression, Upper panel: schematic representation of the experimental design. The figure was drawn using Servier Medical art templates licensed under a Creative Common Attribution 3.0 Generic License. <http://smart.servier.com/> accessed on 09/01/2022. qRT-PCR analysis of CSNK1A1 and RUNX2 mRNA in both INA-6 WT (middle panel) and in MSC hTERT WT cells (lower panel). CK1 $\alpha$  proficient INA-6 WT cells were treated with IPTG 500 $\mu$ M for 1 week and subsequently grown on a feeder layer of CK1 $\alpha$  proficient MSC hTERT WT in the continuous presence of IPTG for additional 3 days. Data represent mean $\pm$ SD of n=3 independent experiments. GAPDH was used as housekeeping gene.

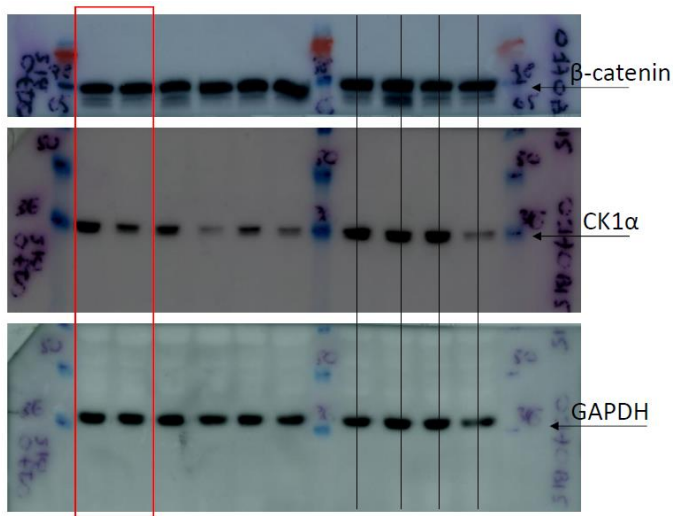


**Fig. 1A**  
72h

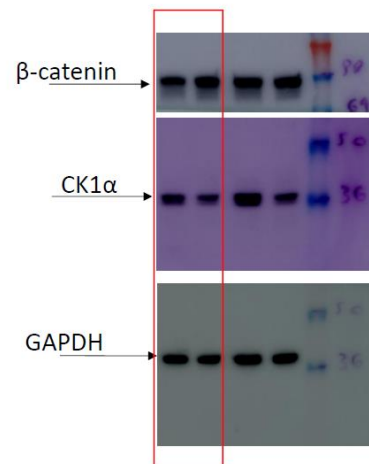


**Fig. 1A**  
6 days

Deleted black lanes are related to experiments not presented in this manuscript. Red rectangle indicates the representative WB used for the figure, in an experiment replicated 3 times.

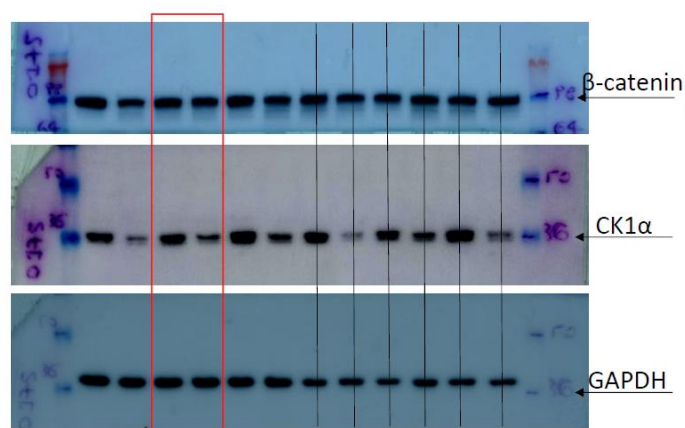


**Fig. 1A**  
8 days

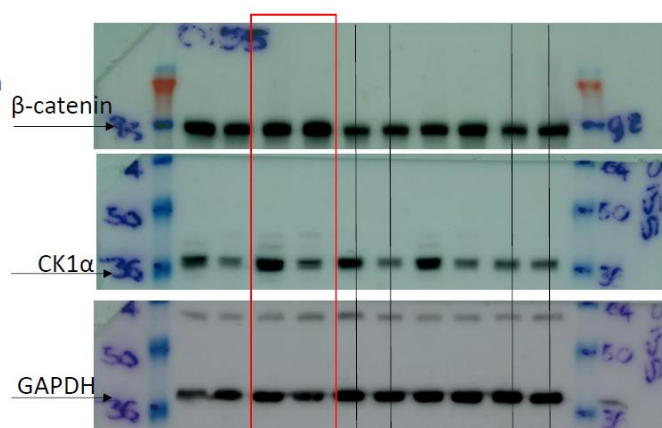


**Fig. 1B**  
72h

Deleted black lanes are related to experiments not presented in the manuscript. Red rectangle indicates the representative WB used for the figure, in an experiment replicated 3 times for FIG.1A and in an experiment replicated 2 times for FIG.1B.

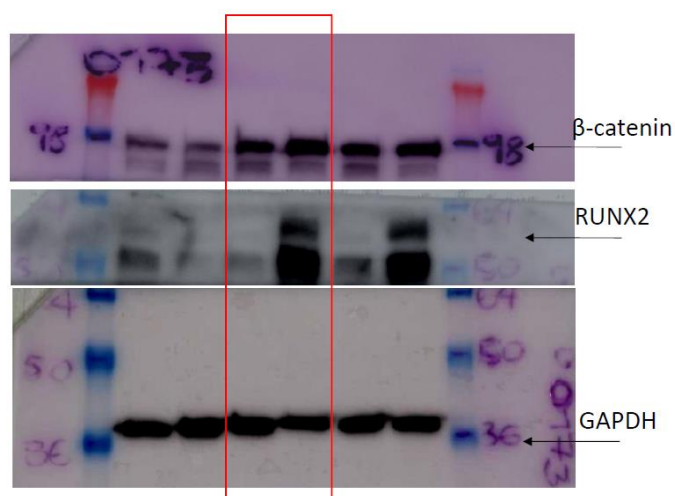


**Fig. 1B**  
6days

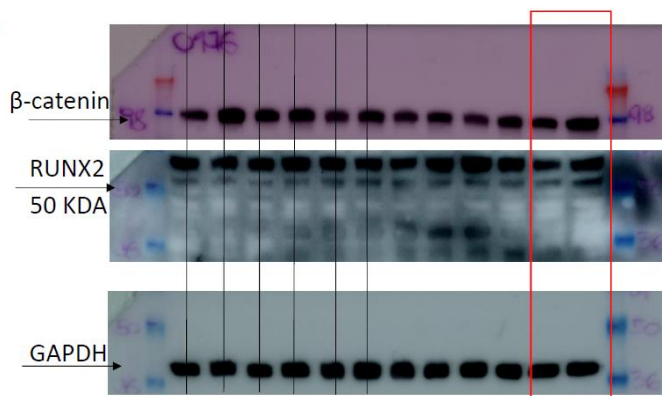


**Fig. 1B**  
11days

Deleted black lanes are related to experiments not presented in the manuscript. Red rectangle indicates the representative WB used for the figure, in an experiment replicated 3 times.

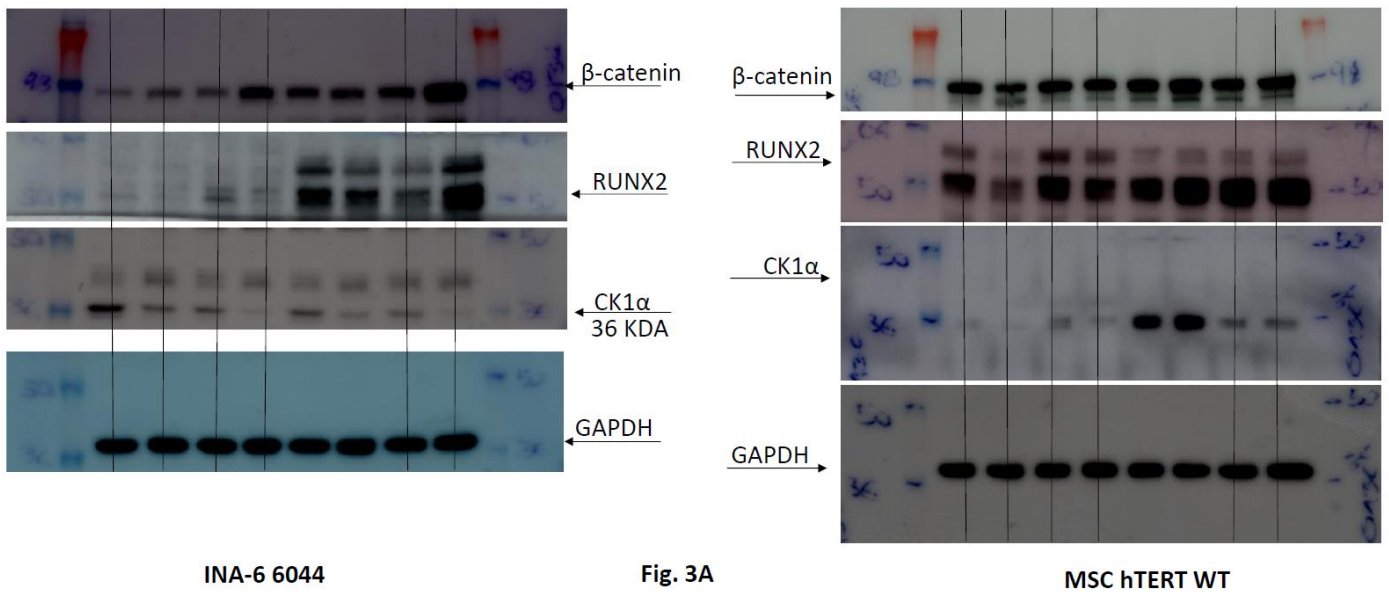


**Fig. 2A**

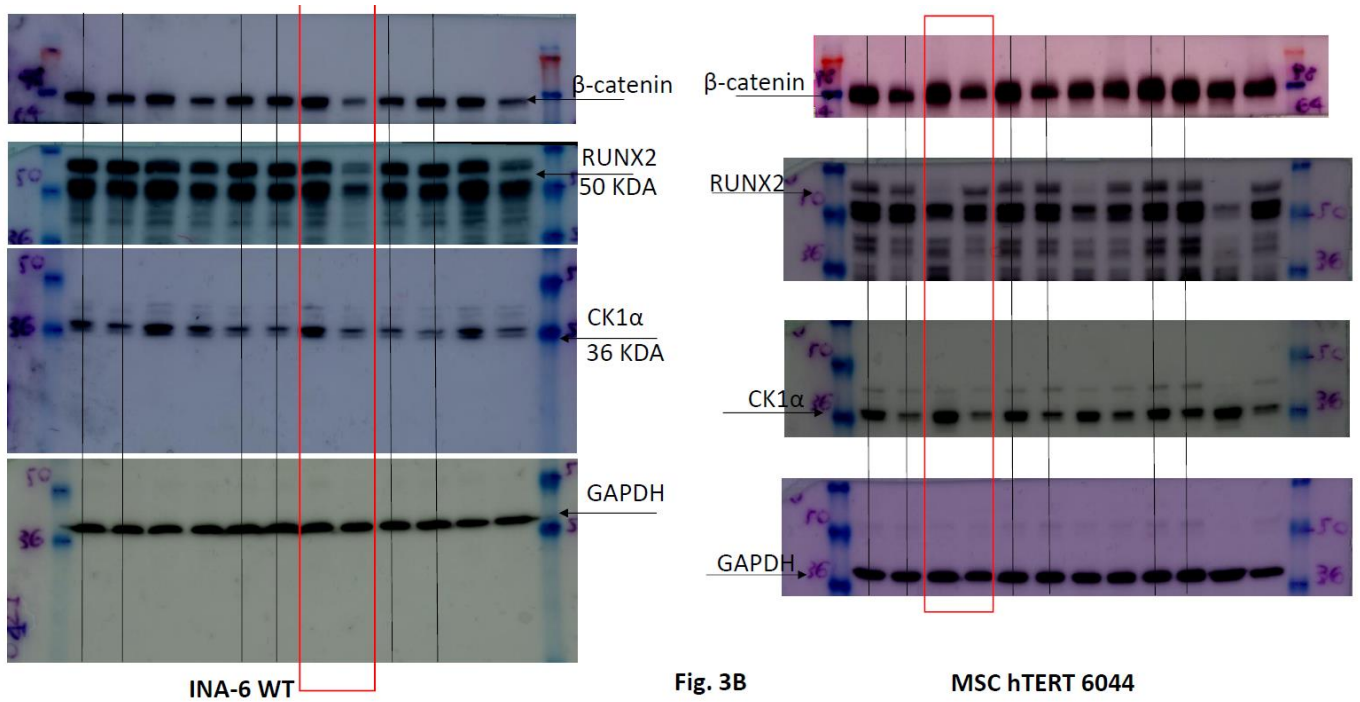


**Fig. 2B**

Deleted black lanes are related to experiments not presented in the manuscript. Red rectangle indicates the representative WB used for the figure, in an experiment replicated 3 times.

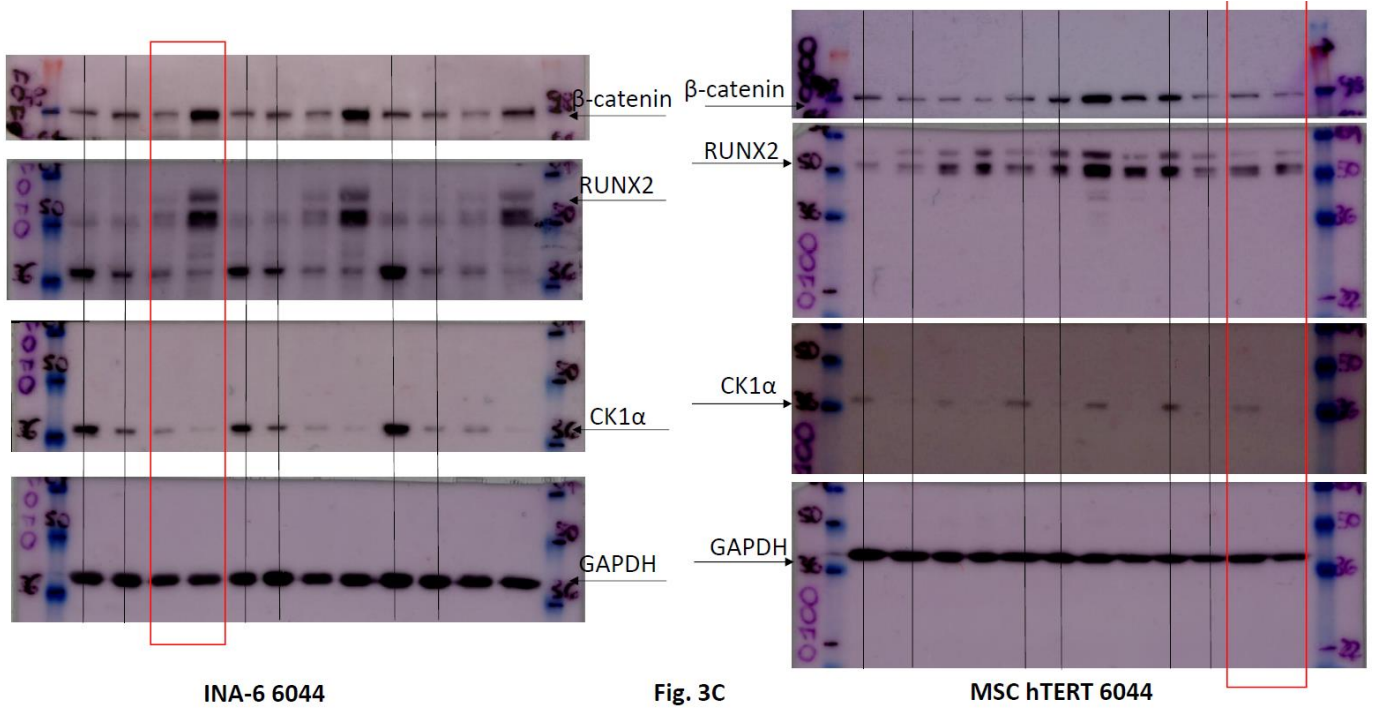


Deleted black lanes are related to experiments not presented in the manuscript.

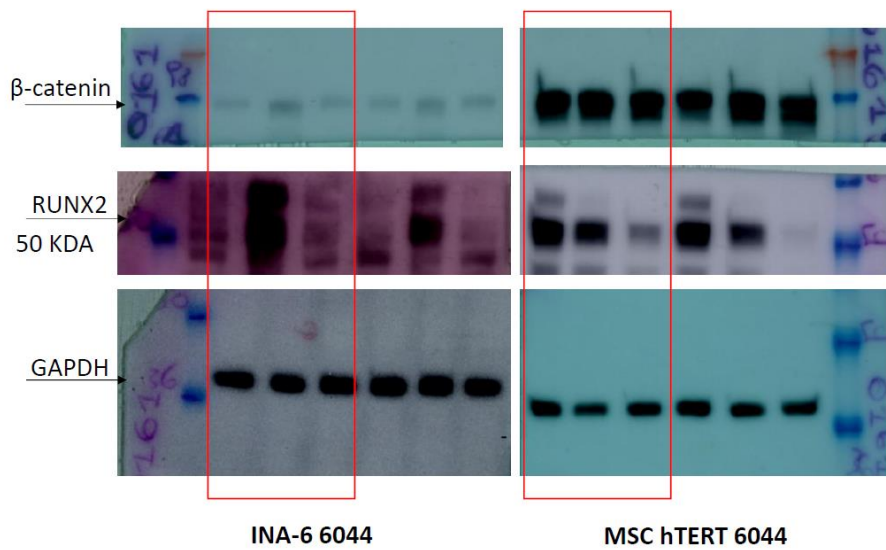


Deleted black lanes are related to experiments not presented in the manuscript. Red rectangle indicates the representative WB used for the figure, in an experiment replicated 3 times.





Deleted black lanes are related to experiments not presented in the manuscript. Red rectangle indicates the representative WB used for the figure, in an experiment replicated 3 times.



**Fig. 4B**

Red rectangle indicates the representative WB used for the figure, in an experiment replicated 2 times in this blot.

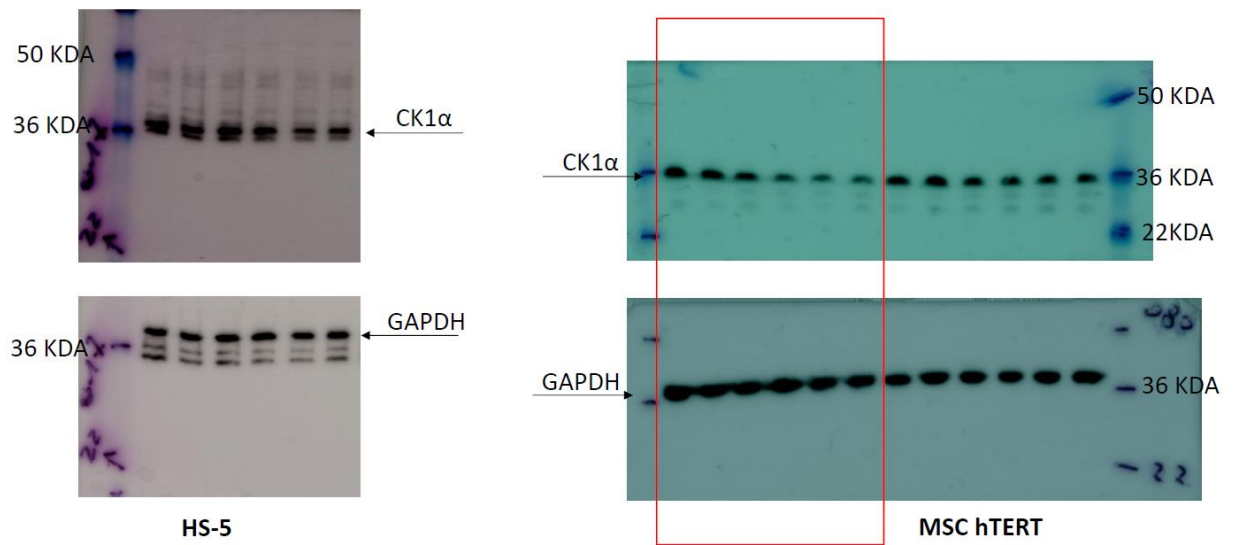


Fig. 5

Red rectangle indicates the representative WB used for the figure in an experiment replicated 2 times in this blot for MSC hTERT cells

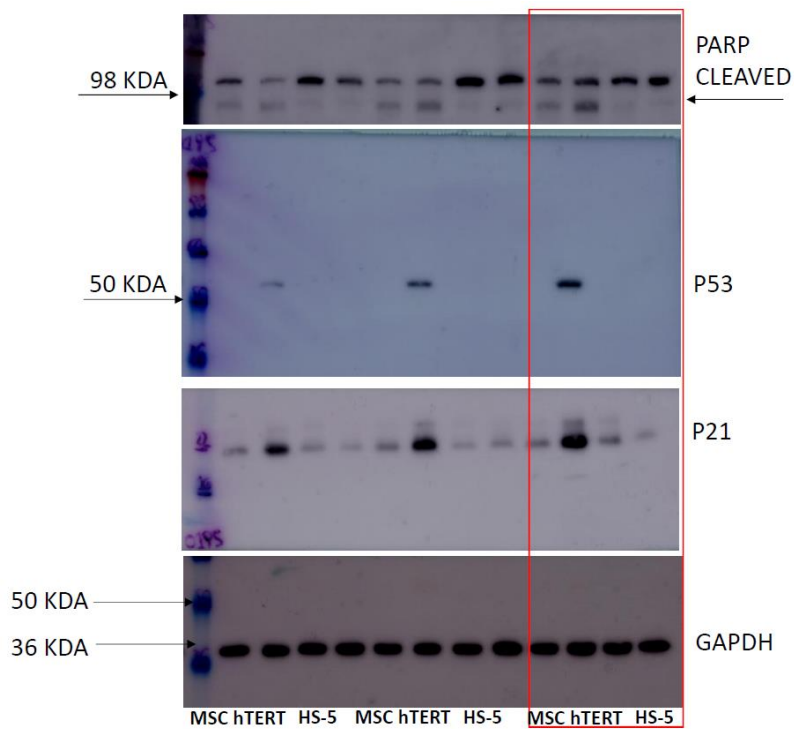


Fig. 6

Red rectangle indicates the representative WB used for the figure, in an experiment replicated 3 times.

**Figure S2.** Original blots relative to the Western blotting analyses.