

Supplementary data for:

TAp73 and Δ TAp73 isoforms show cell-type specific distributions and alterations in cancer

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Supplementary Figure S1 Original images used for Figure 2

Figure 2A

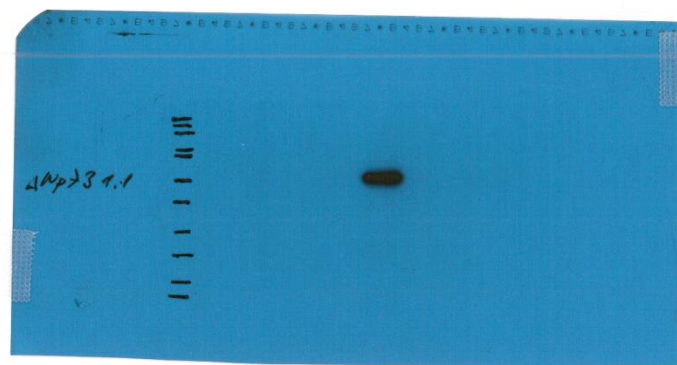


Figure 2B

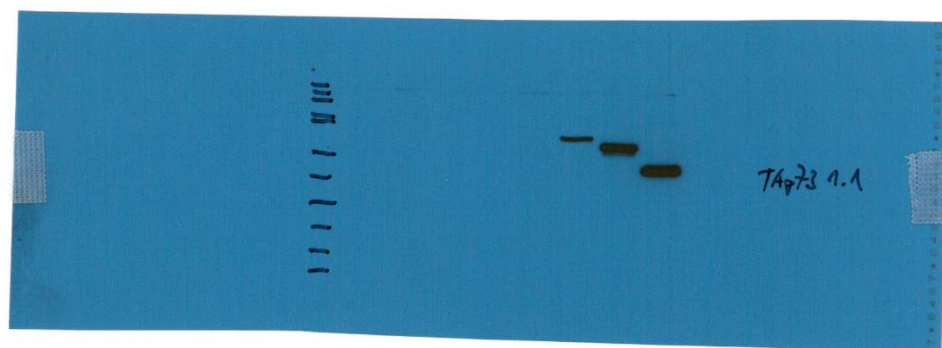


Figure 2C

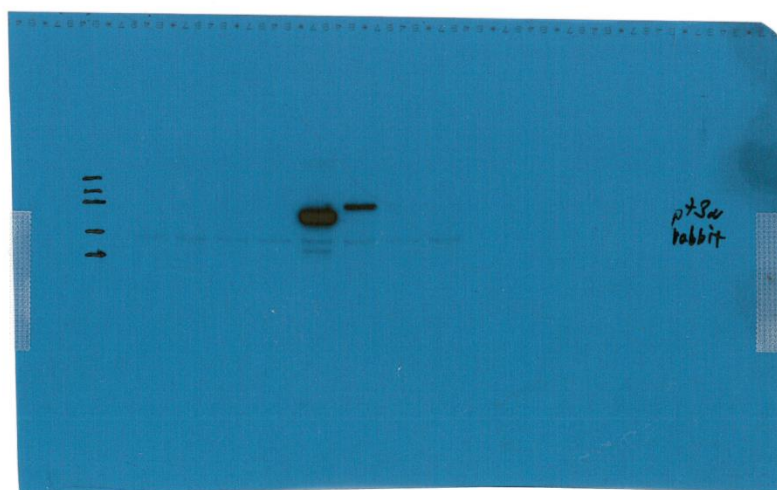


Figure 2D

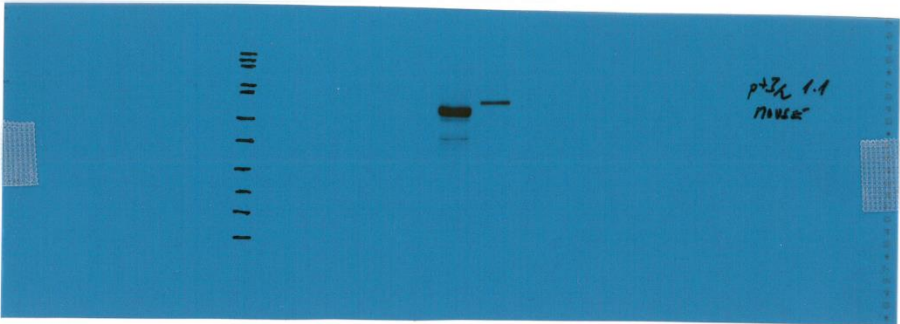
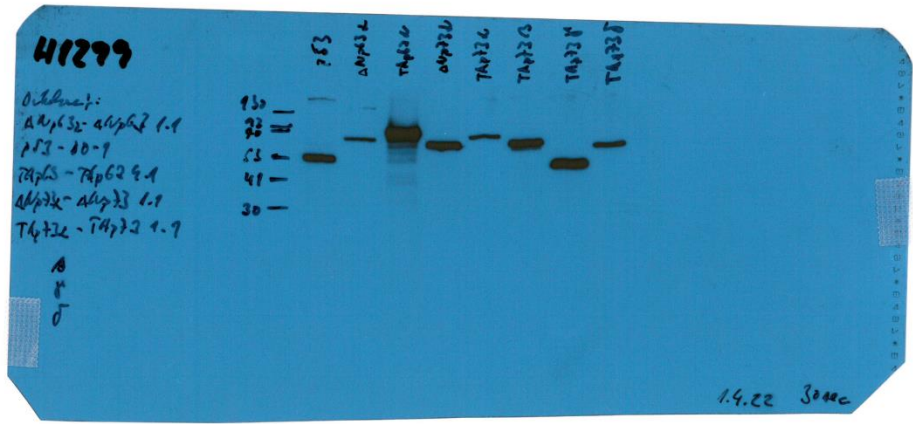
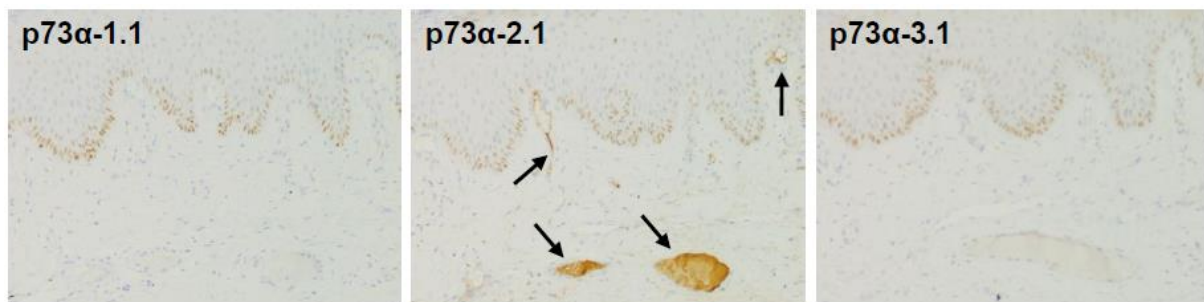


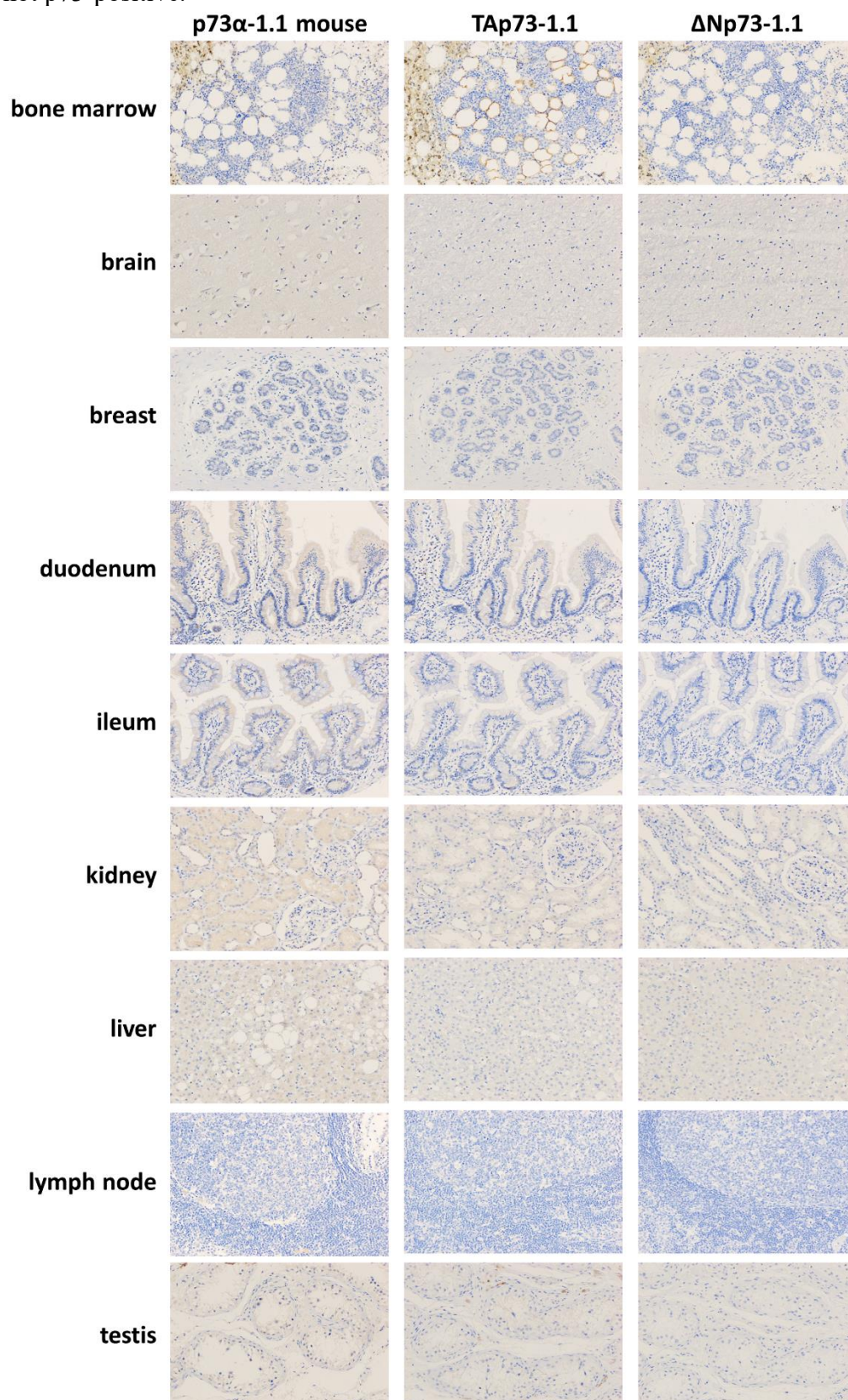
Figure 2E



Supplementary Figure S2 Immunohistochemical staining of normal skin tissue with different clones of p73 α monoclonal antibodies.



Supplementary Figure S3 Immunohistochemical staining of normal human tissues that are not p73-positive.



Supplementary Table S1 Primer sequences

Primers	Sequences
TAp73-TEV-GW forward	5'-GGCTCTGAGAACCTGTACTTCCAGAGCATGGCCCAGTCCACCGCCAC-3'
TAp73-GW reverse	5'-GTACAAGAAAGCTGGGTTTCATGACAGATGTAGTCATGCCCTCC-3'
universal-attB1-TEV-GW forward	5'-GGGGACAAGTTTGTACAAAAAAGCAGGCTTCGGCTCTGAGAACCTGTACTTC-3'
universal-attB2-GW reverse	5'-GGGGACCACTTTGTACAAGAAAGCTGGGTT-3'
Phage-PCR forward	5'-CGTGGGCGATGGTTGTTGTC-3'
Phage-PCR reverse	5'-TAAGTGCCGTCGAGAGGGTTGATA-3'
Read1-GSP-P3 forward	5'-ACACTCTTTCCTACACGACGCTCTTCCGATCTTTCGCAATTCCTTTAGTGGT-3'
Read2-GSP-P3 reverse	5'-GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGGGATTTTGCTAAACAACCTTCA-3'
Index primer i501	5'-AATGATACGGCGACCACCGAGATCTACACTATAGCCTACACTCTTTCCTACACGAC-3'
Index primer i502	5'-AATGATACGGCGACCACCGAGATCTACACATAGAGGCACACTCTTTCCTACACGAC-3'
Index primer i503	5'-AATGATACGGCGACCACCGAGATCTACACCCTATCCTACACTCTTTCCTACACGAC-3'
Index primer i504	5'-AATGATACGGCGACCACCGAGATCTACACGGCTCTGAACACTCTTTCCTACACGAC-3'
Index primer i505	5'-AATGATACGGCGACCACCGAGATCTACACAGGCGAAGACACTCTTTCCTACACGAC-3'
Index primer i506	5'-AATGATACGGCGACCACCGAGATCTACACTAATCTTAACACTCTTTCCTACACGAC-3'
Index primer i507	5'-AATGATACGGCGACCACCGAGATCTACACCAGGACGTACACTCTTTCCTACACGAC-3'
Index primer i508	5'-AATGATACGGCGACCACCGAGATCTACACGTAAGTACACTCTTTCCTACACGAC-3'
Index primer i701	5'-CAAGCAGAAGACGGCATACGAGATCGAGTAATGTGACTGGAGTTCAGACGTGT-3'
Index primer i702	5'-CAAGCAGAAGACGGCATACGAGATTCTCCGGAGTGACTGGAGTTCAGACGTGT-3'
Index primer i703	5'-CAAGCAGAAGACGGCATACGAGATAATGAGCGGTGACTGGAGTTCAGACGTGT-3'
Index primer i704	5'-CAAGCAGAAGACGGCATACGAGATGGAATCTCGTGACTGGAGTTCAGACGTGT-3'
Index primer i705	5'-CAAGCAGAAGACGGCATACGAGATTTCTGAATGTGACTGGAGTTCAGACGTGT-3'
Index primer i706	5'-CAAGCAGAAGACGGCATACGAGATACGAATTCGTGACTGGAGTTCAGACGTGT-3'
Index primer i707	5'-CAAGCAGAAGACGGCATACGAGATAGCTTCAGGTGACTGGAGTTCAGACGTGT-3'
Index primer i708	5'-CAAGCAGAAGACGGCATACGAGATGCGCATTAGTGACTGGAGTTCAGACGTGT-3'
Index primer i709	5'-CAAGCAGAAGACGGCATACGAGATCATAGCCGGTGACTGGAGTTCAGACGTGT-3'
Index primer i710	5'-CAAGCAGAAGACGGCATACGAGATTTTCGCGAGTGACTGGAGTTCAGACGTGT-3'
Index primer i711	5'-CAAGCAGAAGACGGCATACGAGATGCGCGAGAGTGACTGGAGTTCAGACGTGT-3'
Index primer i712	5'-CAAGCAGAAGACGGCATACGAGATCTATCGCTGTGACTGGAGTTCAGACGTGT-3'

Supplementary Table S2 Phage display library PCR 1

PCR 1				
Reagents		Conditions		
Reagents	Volume	Temperature	Time	Number of cycles
5x Herculanase II reaction buffer	10 µl	95 °C	5 minutes	1
dNTP mix (25 mM each)	0.5 µl	95 °C	15 seconds	30
Betain (5 M)	5 µl	54 °C	20 seconds	
Phage-PCR forward primer (100 µM)	0.2 µl	70 °C	20 seconds	
Phage-PCR reverse primer (100 µM)	0.2 µl			
Herculase II fusion DNA polymerase	0.5 µl			
Template (eluted phages)	33.6 µl			

Supplementary Table S3 Phage display library PCR 2

PCR 2				
Reagents		Conditions		
Reagents	Volume	Temperature	Time	Number of cycles
5x Herculanase II reaction buffer	10 µl	95 °C	5 minutes	1
dNTP mix (25 mM each)	0.5 µl	95 °C	15 seconds	20
Betain (5 M)	5 µl	55 °C	30 seconds	
Read1-GSP-P3 forward primer (100 µM)	0.2 µl			
Read2-GSP-P3 reverse primer (100 µM)	0.2 µl			
Herculase II fusion DNA polymerase	0.5 µl			
H ₂ O	23.6 µl			
PCR 1 product template (5 ng)	10 µl			

Supplementary Table S4 Phage display library PCR 3

PCR 3				
Reagents		Conditions		
Reagents	Volume	Temperature	Time	Number of cycles
5x Herculanase II reaction buffer	10 µl	95 °C	1 minute	1
dNTP mix (25 mM each)	0.5 µl	95 °C	15 seconds	8
Betain (5 M)	5 µl	55 °C	20 seconds	
Index primer i5.. (10 µM)	2 µl			
Index primer i7.. (10 µM)	2 µl			
Herculase II fusion DNA polymerase	0.5 µl			
H ₂ O	20 µl			
PCR 2 product template (25 ng)	10 µl			