

## SUPPORTING INFORMATION

Supplementary Table S1: Infants (group 0-2 years) and young children (group 3-6 years) enrolled in the study.

Group	Donors	Age (years)	qRT-PCR	IF cells	RHE	Skin equivalent	MTT assay	CFE	WB
0-2 years	SK005	0,17	✓	✓					
	SK007	0,25	✓	✓	✓				
	SK0118	0,83			✓				
	SK200	1	✓	✓					
	SK004	1				✓			
	SK0148	1					✓		
	SK0144	1			✓			✓	
	SK0130	1,5					✓	✓	✓
	SK0063	1,5					✓	✓	
	SK0199	1,5	✓	✓					
	SK0023	1,5					✓	✓	
	SK195	2					✓	✓	✓
	SK010	2					✓	✓	✓
	SK0181	2					✓	✓	
	SK193	2					✓	✓	
	SK0021	2				✓			
	SK0061	2				✓			
SK050	2				✓				
	<b>mean age (years)</b>		<b>0,73</b>	<b>0,73</b>	<b>0,69</b>	<b>1,75</b>	<b>1,69</b>	<b>1,69</b>	<b>1,83</b>
	<b>mean age (months)</b>		<b>8,76</b>	<b>8,76</b>	<b>8,32</b>	<b>21</b>	<b>20,25</b>	<b>20,25</b>	<b>22</b>
3-6 years	SK015	3					✓	✓	
	SK059	3					✓	✓	
	SK043	3					✓	✓	
	SK061	3	✓	✓					
	SK006	3		✓	✓				
	SK0201	3				✓			
	SK0130	3	✓						
	SK014	4		✓					
	SK011	5	✓	✓					
	SK009	5				✓			✓
	SK011	5					✓		
	SK002	5			✓			✓	
	SK008	6						✓	✓
	SK038	6					✓	✓	
	SK042	6	✓		✓				
	SK001	6				✓			✓
		<b>mean age (years)</b>		<b>4,25</b>	<b>3,75</b>	<b>4,67</b>	<b>4,67</b>	<b>4,00</b>	<b>4,33</b>
	<b>mean age (months)</b>		<b>51</b>	<b>45</b>	<b>56</b>	<b>56</b>	<b>48</b>	<b>52</b>	<b>68</b>

**Abbreviations:** IF: immunofluorescence; RHE: Reconstructed human epidermis; CFE: colony forming efficiency; WB: Western blotting.

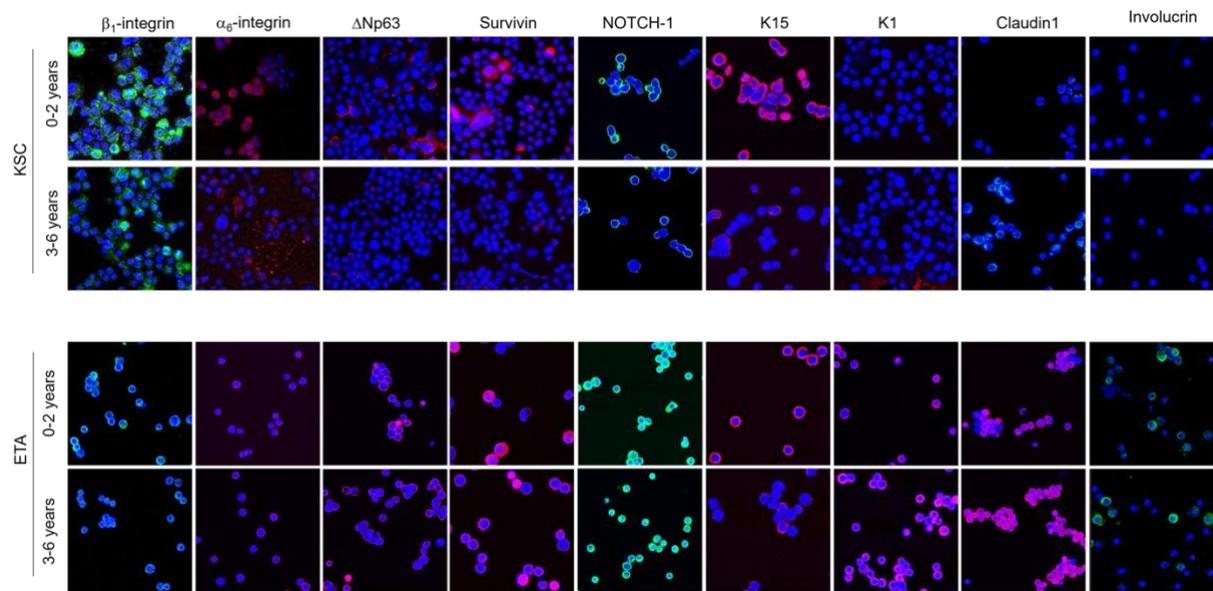


Figure S1: KSC and ETA freshly isolated cells from young children (3-6 years old) or infants (0-2 years old) were fixed and spotted onto glass slides, stained with primary antibody, and labeled with respectively anti-mouse 488 or anti-rabbit 546 Alexa Flour secondary antibodies. Nuclei were stained with DAPI. Images were recorded using a confocal scanning laser microscope.

Original Western Blotting\_Fig 1

