## Relation between epidermal elastin and skin aging

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Tropoelastin polypeptide and mRNA were detected in cultured normal human kerastinocytes(NHKs) by RNase protection and Western blot assays. The expression of elastin by NHKs was found to reach a maximum level at the quiescent phase of keratinocyte growth. When NHKs were cultured on tropoelastin-coated dishes, their growth potential was greatly suppressed compared with other matrix protein-coated dishes. These results suggest that cultured NHKs can actively synthesize elastin and that keratinocyte tropoelastin may act as a growth -regulator for keratinocyte.