

---

Subject: TGF Beta Effekt

Posted by [Haar\\_Challenge\\_2021](#) on Mon, 09 Dec 2013 14:14:28 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Vieles weist darauf hin das TGF 1 + 2 extremen (negativen)Einfluss auf das Haarwachstum hat. Es wird vermutet das DHT -> TGF Beta und DKK1 aktiviert.

"  
Under performing thyroid is strongly correlated with elevated Lipoprotein(a) which is not only linked with androgenetic alopecia, but appears to be linked with Dickkopf-related protein 1 (DKK-1), a gene that is significantly upregulated in balding scalps.

Both insufficient and excess levels of thyroid hormones T3 and/or T4 can result in hair loss. For example, T4 prolongs the duration of the hair growth phase (anagen) possibly due to the down-regulation of TGF-beta2."

"A cytokine known as Transforming growth factor (TGF) has been found to suppress the growth of dermal papilla cells, while Basic fibroblast growth factor (bFGF) and platelet-derived growth factor (PDGF) act as proliferators of hair follicle cells."

"Transforming growth factor (TGF) activates caspases in both the lower part of the hair bulb and the outer layer of the outer root sheath (ORS). Caspases are enzymes that promote apoptosis, the deletion of cells. Caspase 3 is primarily involved in androgenetic alopecia."

Nun die Frage was gibt es alles für Natürliche TGF 1 + 2 Blocker?  
TGF 1 Blocker gibts einige zb Curcumin, Taurin , Ginkgo etc  
Aber TGF 2 ?