



Sharov et al. Supplementary Figure 1

Supplementary Figure 1.

At distinct time points of postnatal development (postnatal days 4, 14, 20, 30, and 6 months), cryosections of dorsal skin of WT and TG mice were processed for histoenzymatic visualization of alkaline phosphatase (**A, B**) and for immunohistochemistry (**C–O**). Statistical analyses were performed by using Student's t test, $P < 0.05$.

A, B: Histological analysis of WT and TG skin at different time points of postnatal development. Lack of visible differences between WT and TG skin at P4 (**A**). Formation of large HF-derived tumors at P20 (**B**, arrows).

C–E: Ki67 expression is significantly increased in epidermis of P30 TG vs WT mice.

F, G: Suprabasal loricrin expression in the epidermis of P30 WT and TG mice (arrows).

H–M: pSmad1/5/8 expression is downregulated in the epidermis (**I**) and HF-derived tumors (**K, M**, arrow) of P30 TG mice versus WT mice (**H, J, L**).

N, O: Decreased expression of pSmad1/5/8 in human trichofolliculoma versus normal scalp HF (arrow).