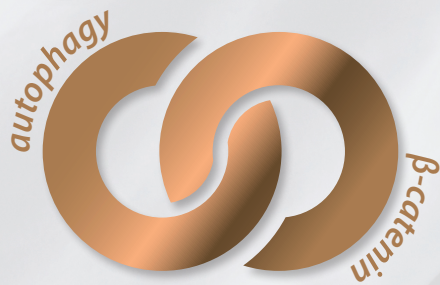


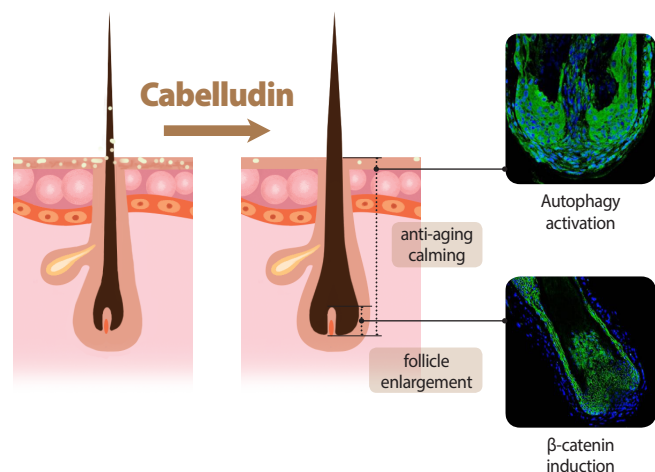
Cabelludin

Tuning scalp anti-aging
through activation of
autophagy and β -catenin



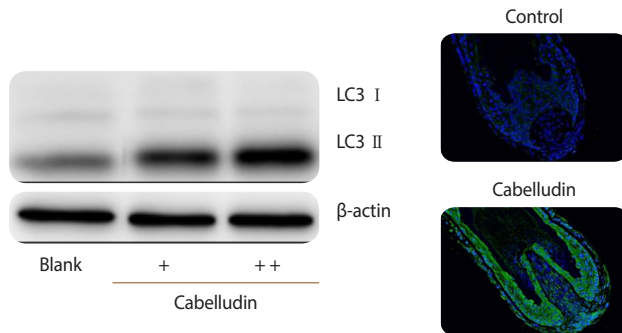
Description

- Healthy scalp skin is essential for maintaining healthy hair and provides an environmental barrier against UV stress, heat, and pollution that causes aging of the scalp skin.
- Cabelludin, a proprietary peptides complex, is specifically developed for scalp care. It has a dual-mode of action through which autophagy and β -catenin signaling are activated, and ultimately strengthens barrier functions in scalp skin, relieves local inflammation, and modulates the morphogenesis and regeneration of DP cells. Cabelludin clinically reduces the dandruff symptom and sebum secretion. It also decreases scalp skin redness and TEWL, providing a significant scalp calming effect.



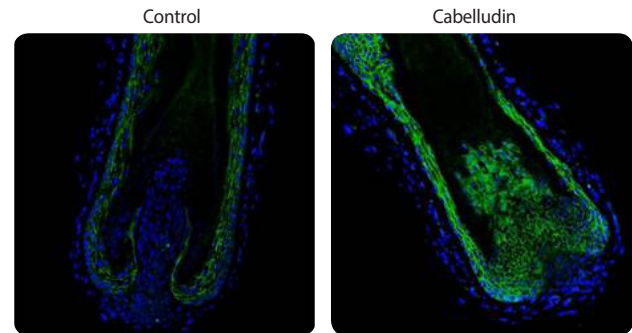
Biological data

Autophagy activation



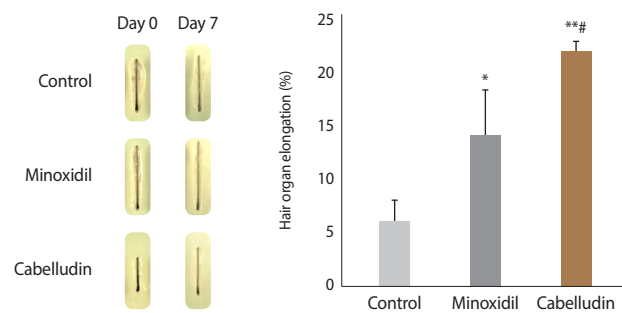
Cabelludin activates autophagy in human keratinocyte cells (left, increases of LC3-II) and hair follicle right, increases of green staining)

β -catenin induction



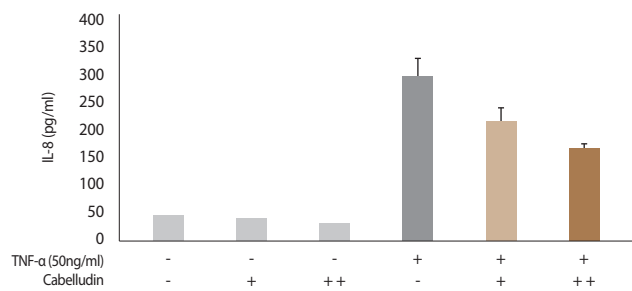
Cabelludin induces β -catenin in the hair follicle (increases of green staining)

Hair organ elongation



Cabelludin promotes hair organ elongation after 7 days treatment

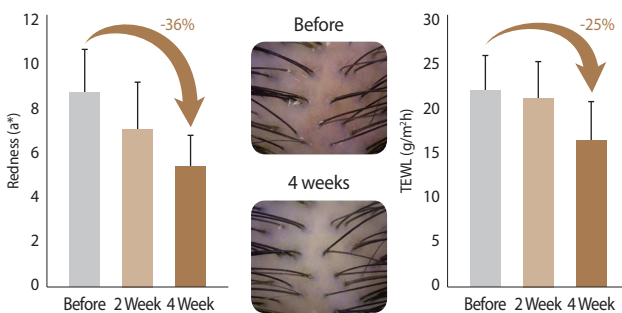
Anti-inflammation



Cabelludin reduces TNF- α -mediated IL-8 secretion in the human keratinocyte cells

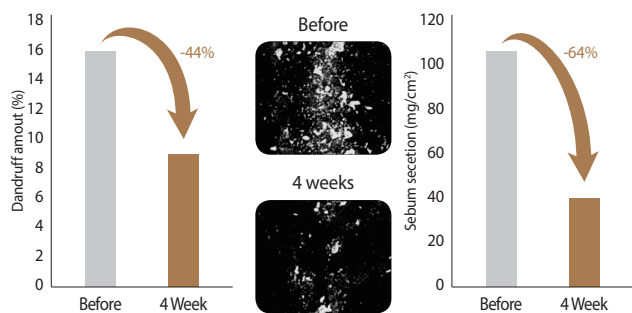
Clinical data

Scalp calming effect



Cabelludin reduces scalp redness and TEWL

Anti-dandruff effect



Cabelludin reduces scalp dandruff and sebum secretion

PCPC/INCI Name

-

Composition

• Cabelludin, 1,2-Hexanediol, Water

Application

- Scalp care
- Anti-greasiness
- Anti-inflammation
- Anti-scalp aging

Recommended Dosage

- 1~2% for Hair tonic, Hair essence, Hair lotion
- 0.01~0.1% for Shampoo