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Oxidative damage control in a human (mini-) organ: Nrf2 activation protects against oxidative stress-induced hair growth inhibition

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Short Title: Nrf2 activity in human hair follicles

Key Words: Nrf2, Oxidative stress, Lipid peroxidation, Hair growth

Abbreviations: Nrf2 (nuclear factor (erythroid-derived 2)-like 2); SFN (Sulforaphane); ORS (outer root sheath); IRS (inner root sheath); DP (dermal papilla); H₂O₂ (hydrogen peroxide); HO-1 (heme oxygenase-1); NQO1 (NAD(P)H dehydrogenase, quinone 1); ARE (antioxidant response element); GSR (glutathione reductase); GCLC (Glutamate-cysteine ligase, catalytic subunit); GCLM (Glutamate-cysteine ligase, regulatory subunit); GSH (glutathione).

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