

〈シンポジウム〉
(紫外線と皮膚を考える)

紫外線による表皮の障害 ——Sunburn cell 等の障害とそのメカニズム——

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Epidermal Damage by Ultraviolet Light —Mechanisms of sunburn cell formation—

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Abstract

The sunburn cell (SC) represents apoptosis of keratinocytes induced mainly by UVB light. Although mechanisms of SC formation are not fully understood, cycling cells that are sensitive to UVB may receive unreparable injuries through direct or indirect pathways. The primary target is possibly the nuclear DNA or the cytoplasmic membrane. As SC formation is dose-dependent, measuring SC counts is useful to see the effects of phototoxic or photoprotective chemicals.

Key words: apoptosis, sunburn cell, ultraviolet