

RADIPO

- Purpose for Slimming agent -

Applicable products of RADIPO

Body care: For slimming product(Cream, Lotion, Gel etc)

What is RADIPO ?

Recently research date showed that obesity has been strongly associated with the expression of a pro-inflammatory program, RADIPO is Prunella vulgaris extract based on its abilities from inhibition of lipid accumulation with anti-inflammation.

About

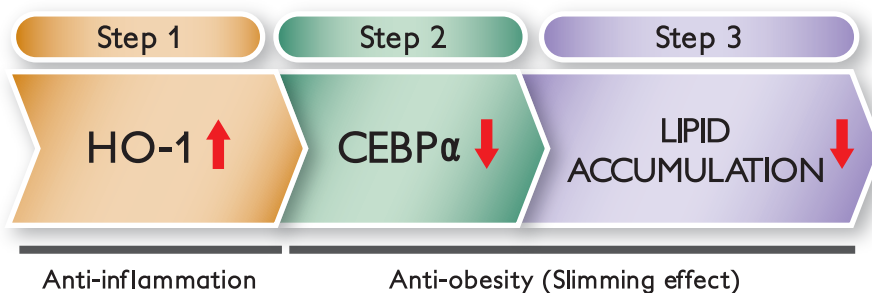
"Prunella vulgaris"



Common name	Selfheal, heal-all, heart-of-the-earth
Latin name	<i>Prunella vulgaris</i> L.
INCI Name	Water / Butylene glycol / Prunella Vulgaris Extract
Main Ingredient	Triterpenoid, oleanolic acid, ursolic acid, rutin, hyperoside, caffeic acid

Prunella vulgaris is a perennial herb that is widely distributed in Far East Asian countries throughout Korea, China and Japan. Prunella vulgaris has been used as a traditional medicine to reduce sore throat, alleviate fever and accelerate wound healing.

Proposed intracellular signaling pathways for the slimming effect action of RADIPO in adipocyte



RADIPO have effect that good CEBPα reduction activity as a dose dependent manner, and we found this mechanism mediated by HO-1 expression.

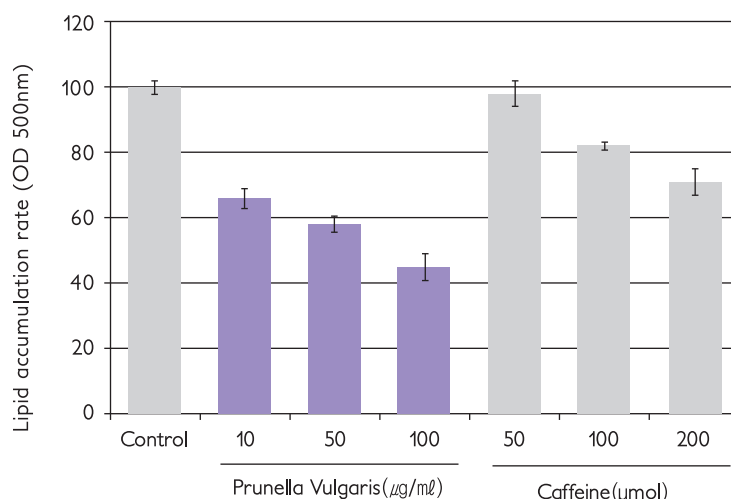
SPECIFICATION

INCI Name
Colour
Water
Butylene Glycol
Preservative
Packaging unit
Shelf life
Dosage

Water / Butylene glycol / Prunella Vulgaris Extract
Light yellow
less than 50%
50%
Non-added
5kg/ 10kg/ 20kg
2 years
0.5~2%

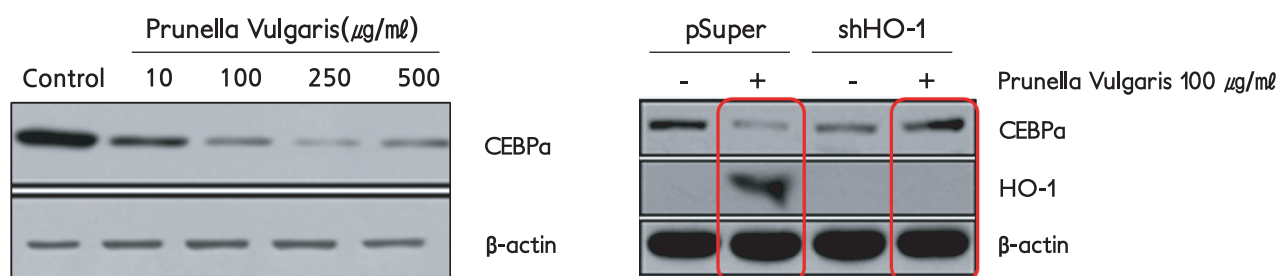
Main Biological Effects for Cosmetics

● Decrease of Lipid Accumulation in 3T3-L1 Adipocytes



As a result Prunella Vulgaris Extract treatments caused significantly greater decrease in lipid accumulation compared to caffeine treatments.

● Prunella Vulgaris Extract reduced CEBPα level and it is mediated by HO-1



We investigate that Prunella Vulgaris Extract control transcriptional regulation during differentiation of 3T3-L1 adipocytes mediated by HO-1 mechanism. And the Prunella Vulgaris Extract slimming effect mechanism is different with Catechin.