ALLERGY, VITAMINS

ANOTHER PATH FROM VITAMIN D TO ALLERGY

26.03.2007

As far as I know vitamin D3 influences only $\underline{RUNX2}$ expression (RUNX2 has a VDRE, possibly also RUNX3 but not RUNX1?). The \underline{RUNX} factors

colocalized in common subnuclear foci. Furthermore, RUNX subnuclear foci contain the co-regulatory protein CBFβ, which heterodimerizes with RUNX factors, and nascent transcripts as shown by BrUTP incorporation. These results suggest that RUNX subnuclear foci may represent sites of transcription containing multi-subunit transcription factor complexes.

Variants in <u>RUNX1</u> have already been reported earlier to be weakly associated with IgE serum levels in Korea.

A <u>Nature</u> paper todays reports that Foxp3 controls Treg function by interacting with AM-L1/RUNX1 – is there any connecting path?

CC-BY-NC Science Surf accessed 05.11.2025 ☑