

Supplementary Figure

Strengthening the cellular function of dermal fibroblasts and dermal papilla cells using nanovesicles extracted from stem cells using blue light-based photobiomodulation technology

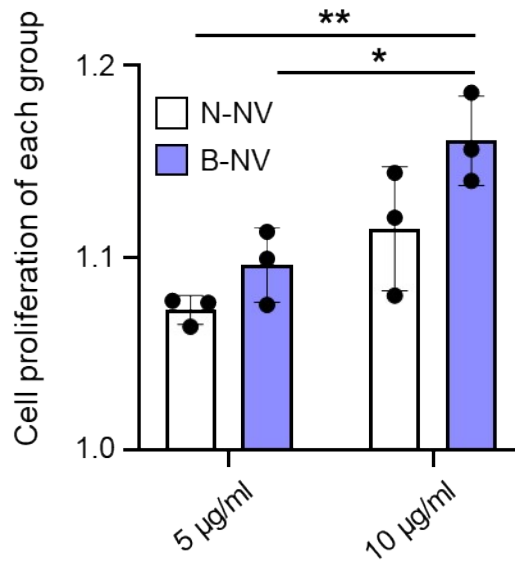
Jiyu Hyun^{a,†}, Sang Yoon Lee^{a,†}, Jiseon An^a, You Bin Lee^a, and Suk Ho Bhang^{a,*}

^aSchool of Chemical Engineering, Sungkyunkwan University, Suwon 16419, Republic of Korea

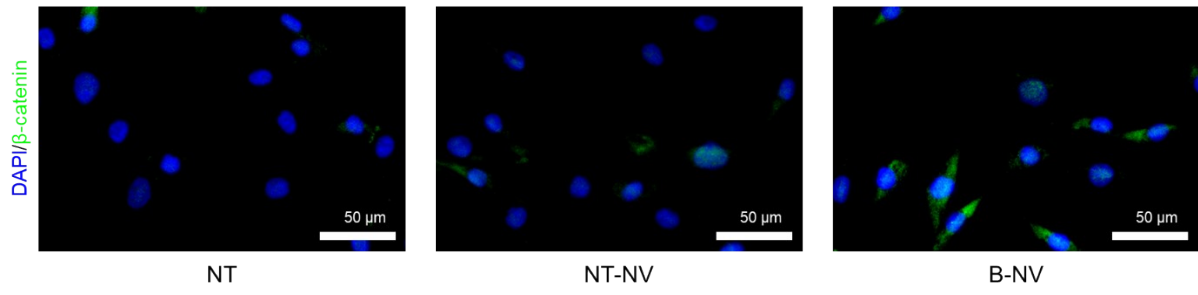
† These authors contributed equally to this work

***Corresponding author:** Suk Ho Bhang, Ph.D.

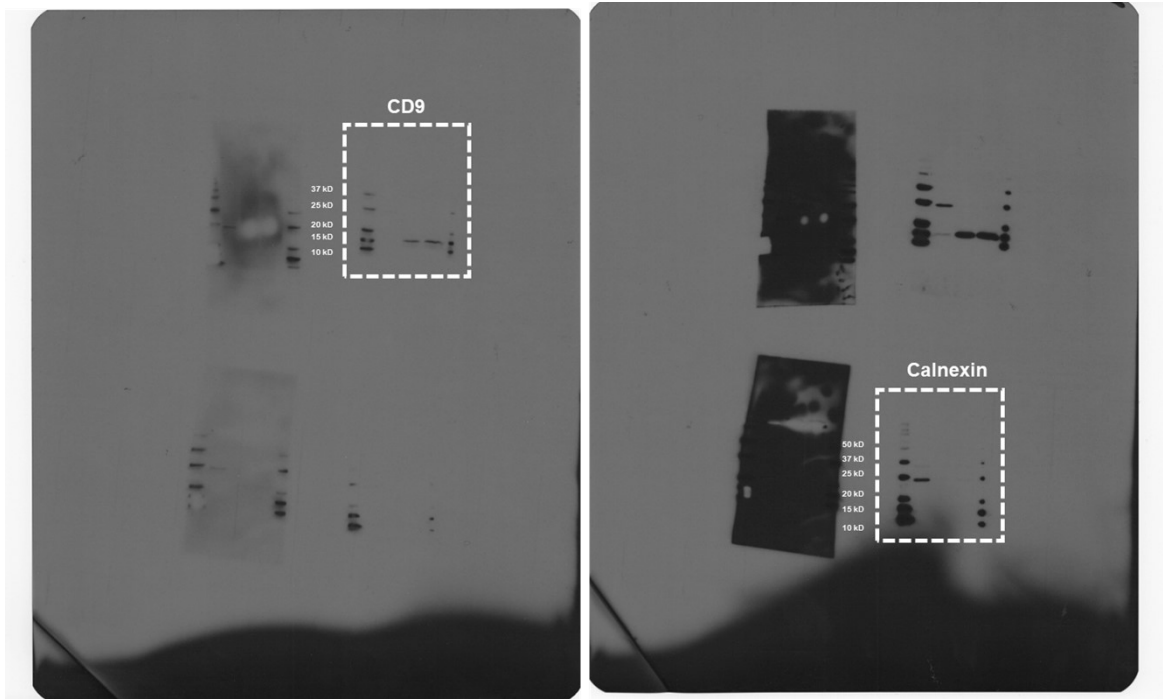
Tel.: +82-31-290-7242; Fax.: +82-31-290-7272; e-mail address: sukhobhang@skku.edu



Supplementary Fig. 1. Comparison of cell proliferation after treating 5 µg/ml or 10 µg/ml of N-NV or B-NV to hDFs (n = 3, *p < 0.05 and **p < 0.01 compared to 5 µg/ml of N-NV treated group).



Supplementary Fig. 2. Representative images of immunofluorescence staining of β -catenin in each group.



Supplementary Fig. 3. Raw image of western blot result in Fig. 2B.