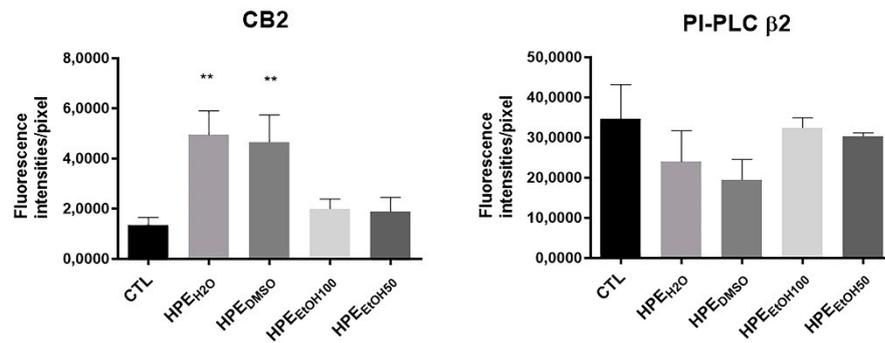


50  $\mu$ m



**Figure S1.** Effects of all HPE extracts on CB2 receptor and PI-PLC  $\beta$ 2 protein production. Upper panel: cells were treated with 0.1 mg/mL, of *Harpagophytum procumbens* root extract (HPE) dissolved in deionized water (HPE<sub>H2O</sub>), DMSO (HPE<sub>DMSO</sub>), 100 % v/v EtOH (HPE<sub>EtOH100</sub>) and 50 % v/v EtOH (HPE<sub>EtOH50</sub>), for 48 hours and then analyzed by immunofluorescence using anti-CB2 and anti-PI-PLC  $\beta$ 2 primary antibodies and Alexa Fluor 488 (green, CB2) and Alexa Fluor 568 (red, PI-PLC  $\beta$ 2) secondary antibodies. Nuclei were stained with DAPI, (original magnification 40 x). Lower panel: The sum of all pixel intensities in the region of interest were obtained by ImageJ. \*\* p<0,01