

Figure S1. HPLC Chromatogram of phenols of A, C and OPE sample detected at 280 nm.

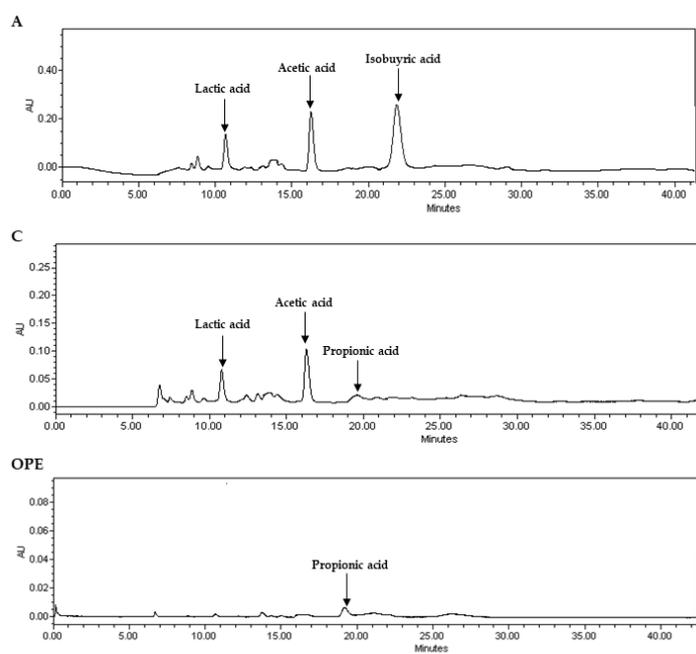


Figure S2. HPLC Chromatogram of organic acids of A, C and OPE sample detected at 210 nm.

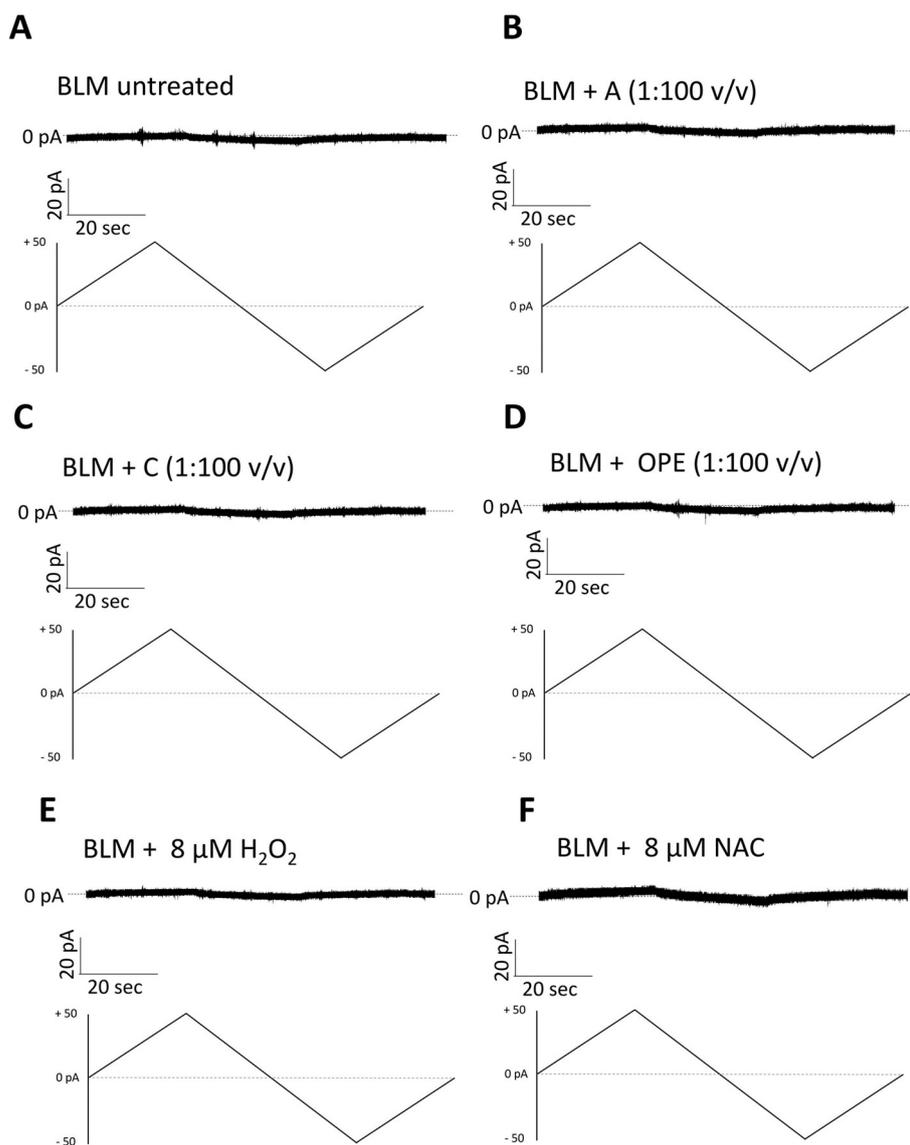


Figure S3. Evaluation of the effect of tested samples, hydrogen peroxide and N-acetyl cysteine (NAC) on membrane stability by triangular voltage ramps. Samples A (B), C (C) and OPE (D), H_2O_2 (E) and NAC (F) were added to both sides of a DiphPC bilayer at a final concentration of 1:100 (v/v) and 8 μM , respectively, to exclude any interferent effect with the lipid membrane. In each experiment, the stability of the current signal was monitored upon application of a voltage ramp of ± 50 mV in 1 M KCl and compared to the signal of the bilayer membrane without any addition (A).

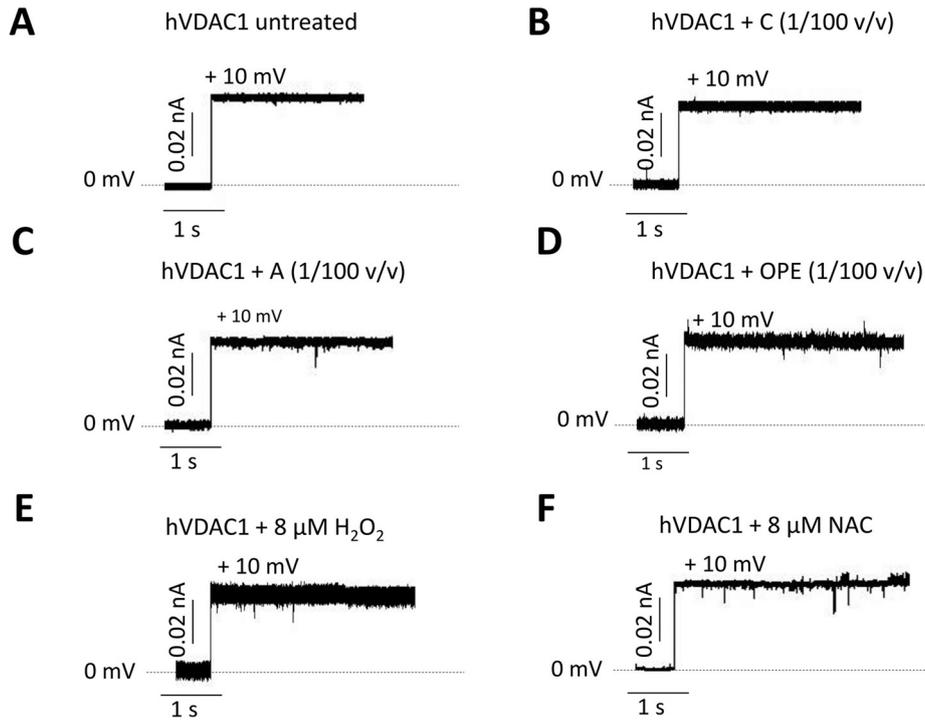


Figure S4. Single channel recordings of hVDAC1 in presence of tested samples, hydrogen peroxide and N-acetyl cysteine (NAC). Representative current traces registered upon no addition (A) or addition of samples A (B), C (C), and OPE (D), H₂O₂ (E) and NAC (F) to both sides of a DipPC bilayer containing hVDAC1 at a final concentration of 1:100 (v/v) and 8 μ M respectively. Current measurements were performed in symmetrical 1 M KCl at +10 mV applied.