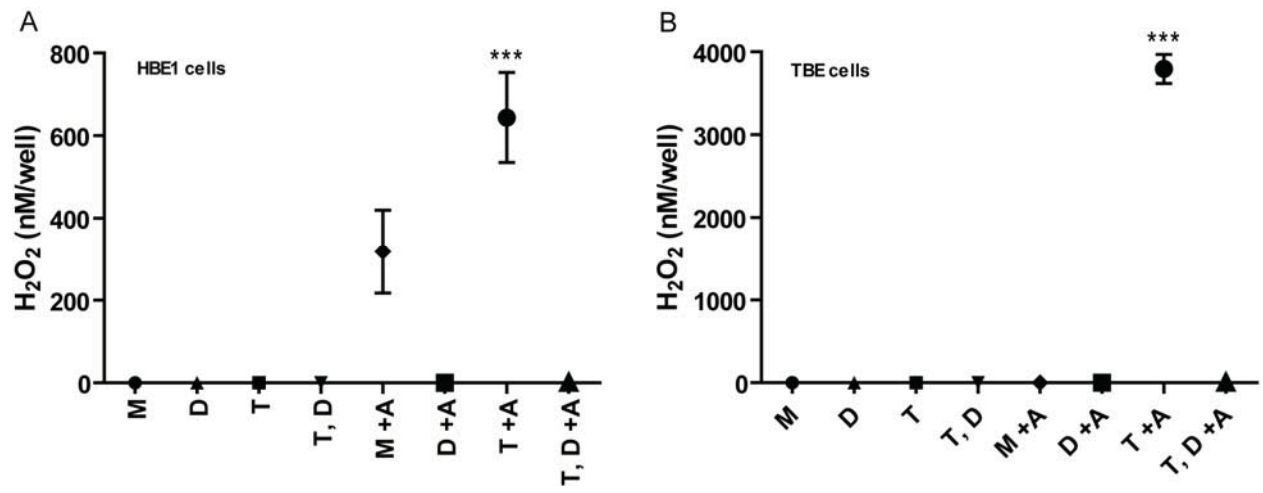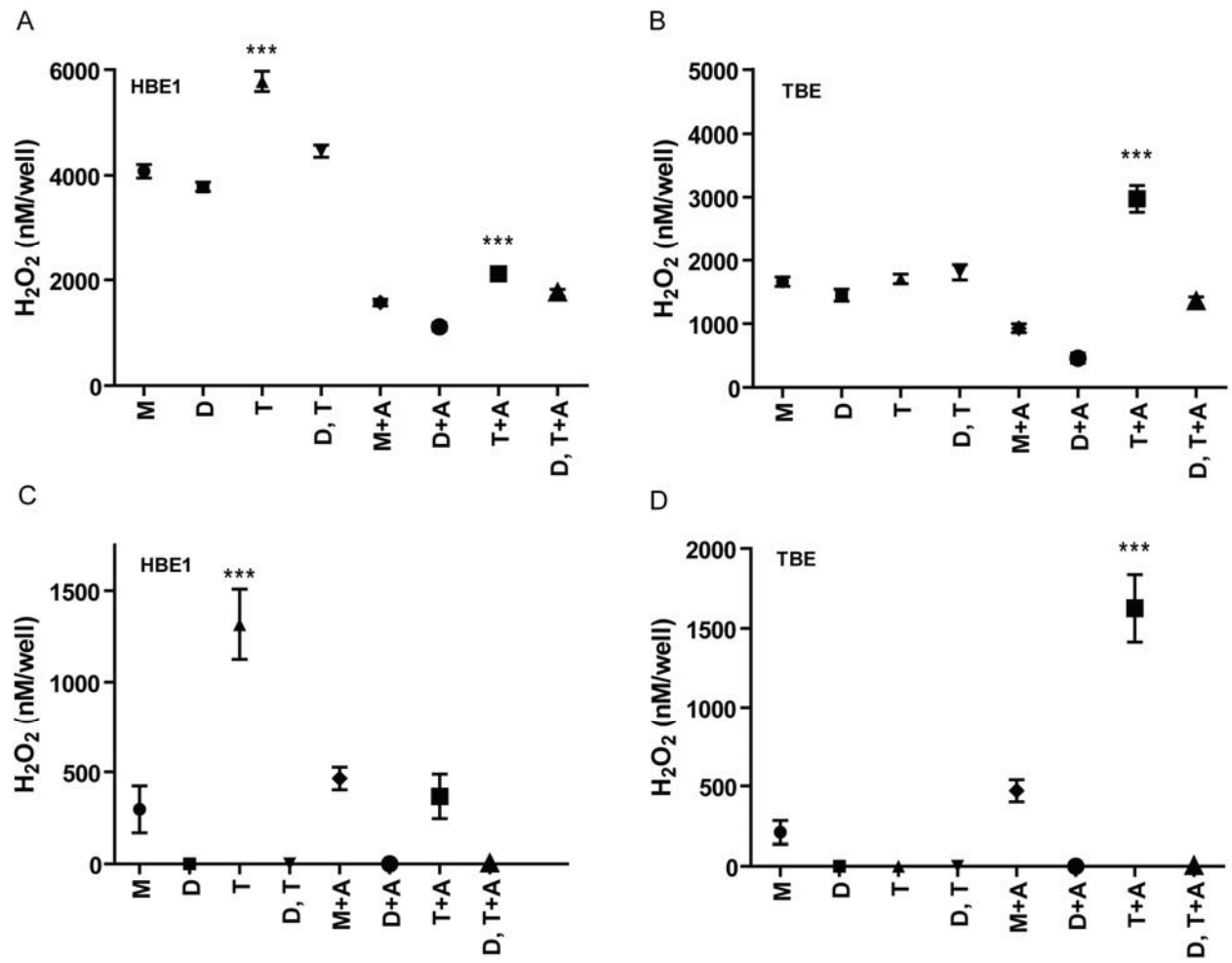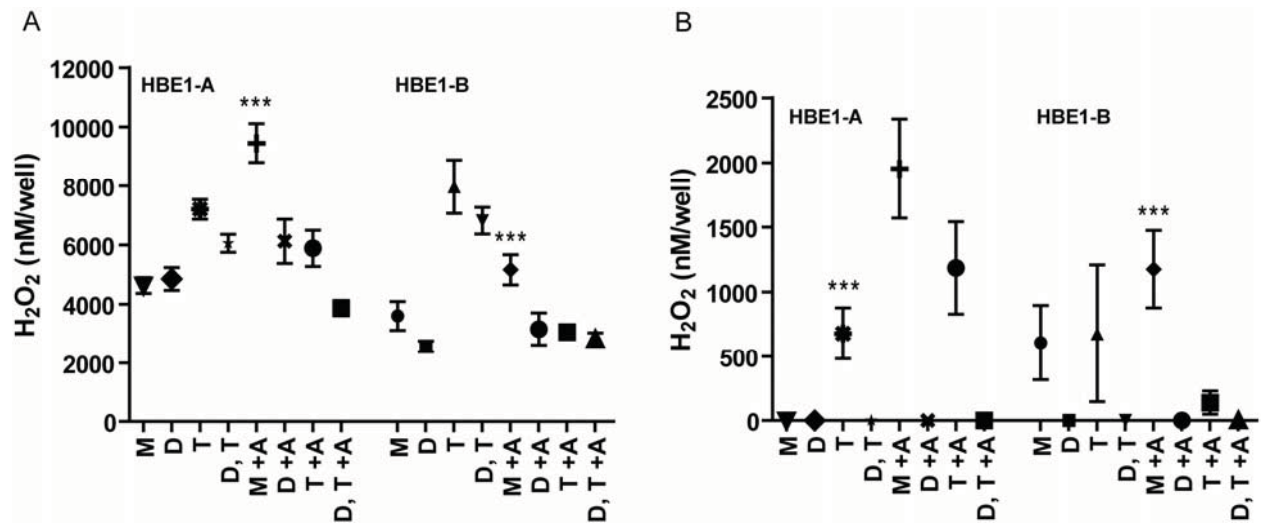Figure S1

Figure S2

Figure S3

LEGENDS TO SUPPLEMENTAL FIGURES

Figure S1. *Apical DPI-inhibitable H_2O_2 production in HBE1 and TBE cells treated with or without ATRA. A:* HBE1 cells and *B:* primary TBE cells were grown in ALI culture conditions with or without 30nM ATRA for seven days followed by measurements of H_2O_2 using Amplex Red assays; (M): media alone, (T): thapsigargin (1µM), (D) diphenyleneiodonium (20µM), (T,D): thapsigargin/ diphenyleneiodonium co-treatment. Values are expressed as nM H_2O_2/well/10 minutes by comparing to a H_2O_2 standard curve. Data represent the mean and SEM of three independent experiments with nine wells per treatment group. ***P < 0.0001 (by ANOVA).

Figure S2. *Apical H_2O_2 production in HBE1 and TBE cells treated with or without ATRA. A:* HBE1 cells and *B:* primary TBE cells were grown in ALI culture conditions with or without 30nM ATRA for seven days followed by measurements of H_2O_2 using Amplex Red assays; (M): media alone, (T): thapsigargin (1µM), (D) diphenyleneiodonium (2µM), (T,D): thapsigargin/ diphenyleneiodonium co-treatment. *C* and *D:* Data from panels A and B minus DPI un-inhibitable H_2O_2. Values are expressed as nM H_2O_2/well/10 minutes by comparing to a H_2O_2 standard curve. Data represent the mean and SEM of three independent experiments with nine wells per treatment group. ***P < 0.0001 (by ANOVA).

Figure S3. *Apical H_2O_2 production in HBE1 cells treated with or without ATRA. A:* Two separate vials of HBE1 cells were grown in ALI culture conditions with or without 30nM ATRA for seven days followed by measurements of H_2O_2 using Amplex Red assays; (M): media alone, (T): thapsigargin (1µM), (D) diphenyleneiodonium (2µM), (T,D): thapsigargin/

diphenyleneiodonium co-treatment. *B:* Data from panel A minus DPI un-inhibitable H_2O_2. Values are expressed as nM H_2O_2/well/10 minutes by comparing to a H_2O_2 standard curve. Data represent the mean and SEM of three independent experiments with nine wells per treatment group. ***$P < 0.0001$ (by ANOVA).