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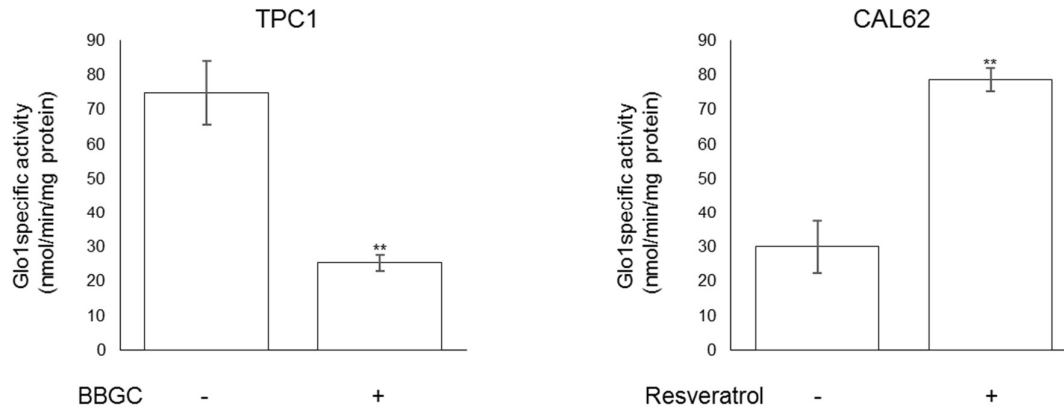


Figure S1. Biochemical evidence of S-p-Bromobenzylglutathione cyclopentyl diester (BBGC) and Resveratrol effectiveness on Glyoxalase 1 (Glo1) enzyme activity. (A) Effect of BBGC on glo1 specific activity in a papillary thyroid cancer cell line (TPC1); (B) effect of Resveratrol on an anaplastic thyroid cancer cell line (CAL62). Glo1 specific activity was measured by spectrophotometry as described in Materials and Methods. Histograms indicate mean \pm SD of three different cultures, and each was tested in triplicate. ** $p < 0.01$

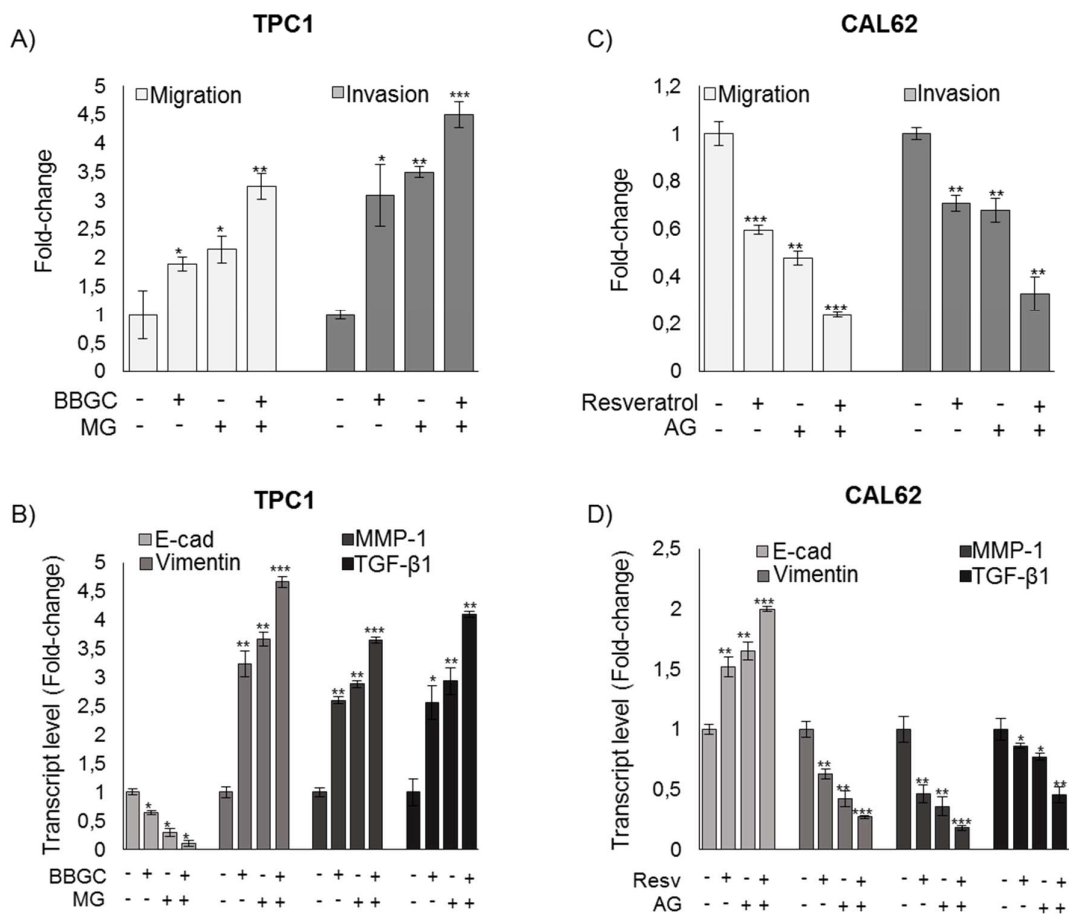


Figure S2. Effect of Methylglyoxal (MG), upon BBGC treatment, on (A) migration and invasion or (B) E-cadherin (E-cad), vimentin, MMP-1 and TGF-β1 expression in papillary thyroid cancer TPC1 cells. Effect of aminoguanidine (AG), upon Resveratrol treatment, on (C) migration and invasion or (D) E-cad, vimentin, MMP-1 and TGF-β1 expression in anaplastic thyroid cancer CAL62 cells. Migration and invasion capabilities were measured by using specific assay as described in Materials and Methods. Gene transcript levels were evaluated by real-time PCR. Histograms indicate mean ± SD of three different cultures, and each was tested in triplicate. *p < 0.05, **p < 0.01, ***p < 0.001