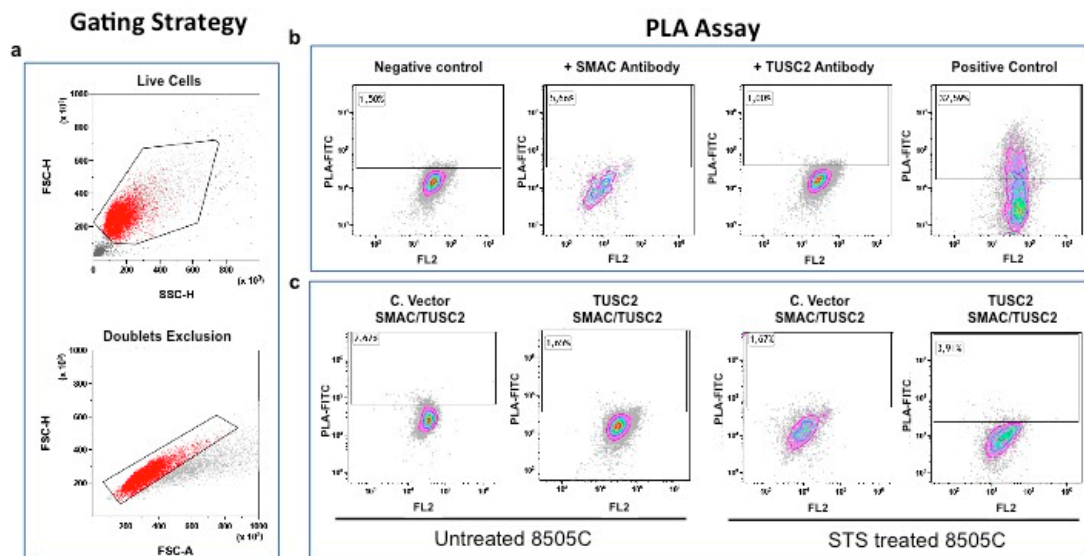


## Supplementary Information

Mariniello et al: "The *TUSC2* tumor suppressor inhibits the malignant phenotype of human thyroid cancer cells via SMAC/DIABLO protein".

### Supplementary Figure 1



**Supplementary Figure 1: SMAC DIABLO/TUSC2 interaction via Proximity Ligation Assay.** Proximity ligation assay (PLA) experiments were conducted on active growing 8505C cells transfected with Control Vector or TUSC2 over-expressing vector. PLA signal associated with FITC fluorescence was recorded using a Cytoflex cytometer. In panel **a**, are reported the gating strategies. Panel **b** shows the PLA technical controls: Negative control was obtained using two PLA probes, anti TUSC2 and anti SMAC/DIABLO antibody alone. Positive control was obtained using HL60 cell line and two antibodies against well-known interacting proteins, NF-Kb and IKB-a. Panel **c** shows interaction analyses of TUSC2 and SMAC/DIABLO in untreated and staurosporine (STS) treated 8505C cells transfected with control vector or TUSC2-overexpressing vector. FITC-PLA vs FL2 density dot plots were reported for a better understanding of the results. Numbers show the percentage of positive cells respect to the negative control. Experiments were repeated twice with similar results.