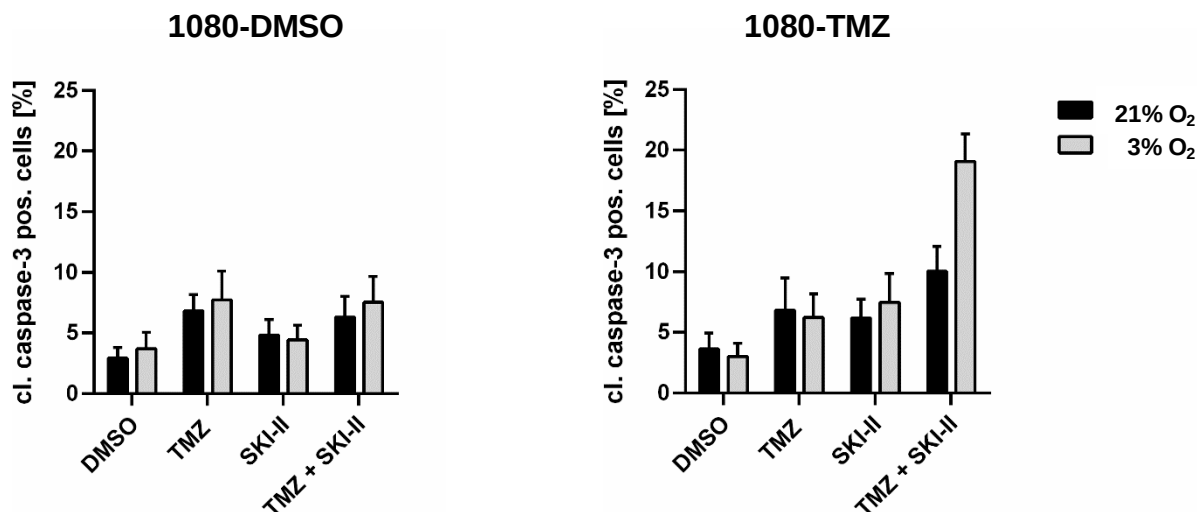


Additional File 12 - Immunofluorescence detection of activated caspase-3 in treated GSC.

DMSO-1080 and TMZ-1080 GSC cells plated on ornithin-coated glass coverslips were treated with 2.66 μ M SKI-II, 48 μ M temozolomide (TMZ) and the combination (TMZ+SKI-II) in triplicates. After 5 days of incubation, cells were fixed with 4% paraformaldehyde and stained for cleaved caspase-3, nestin and Dapi. (A) Quantification of cleaved caspase-3 positive cells. Data are presented as percent of total cells counted in 7 to 9 regions of triplicates, and for a total number of cells of 700 to 1100. (B) Representative images of apoptotic cells in 1080-TMZ cells treated with SKI-II under normoxia (left) or hypoxia (right). Magnification 40X, scale bar 50 μ M. Left panels in each composite picture: enlarged images of apoptotic cells (marked by arrows in the right panels) manifesting morphological hallmarks of apoptosis such as chromatin condensation and cytoplasmic disintegration. n = 1

A



B

