Figure S1: Representative image showing cell cycle pattern of U-87 MG cells following exposure of Cispln and Olt (40- and 60μM) for 48 h.
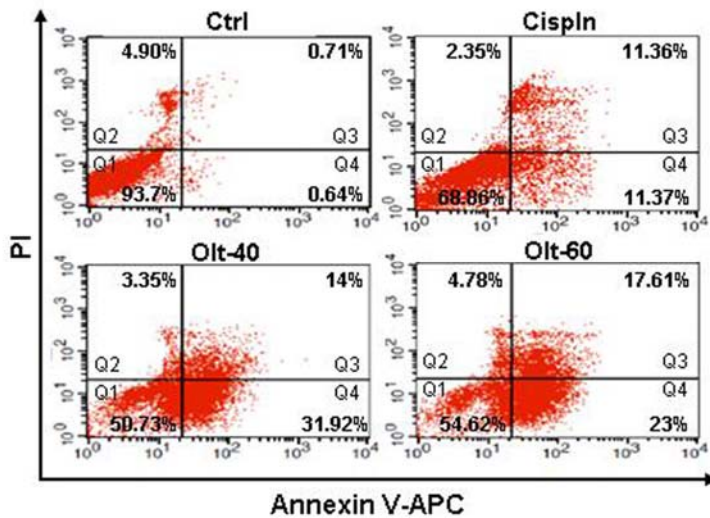

Figure S2: Representative image showing the annexin-PI pattern of U-87 MG cells following exposure of Cispln (30 μM) and Olt (40- and 60μM) for 48 h.
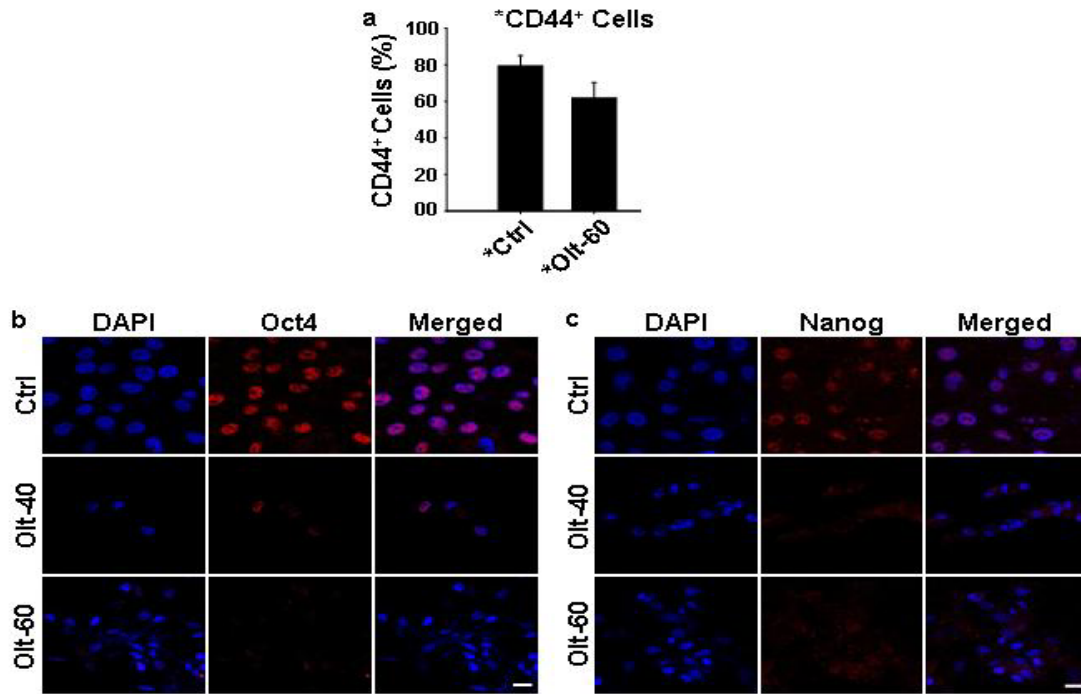
Figure S3: (a). Decrease in CD44$^+$ population in post-sorted CD44$^+$ cells (*CD44$^+$) exposed to Olt-60μM for 48 h. *p ≤ 0.05, compared to the untreated *CD44$^+$ Ctrl group. Data are presented as mean ± SEM (n=4). (b,c). Immunostaining for detection Oct4 (b) and Nanog (c) in U-87 MG cells after treatment of Olt for 48 h suggested a decrease in expression of stem cell markers in response to Olt exposure.
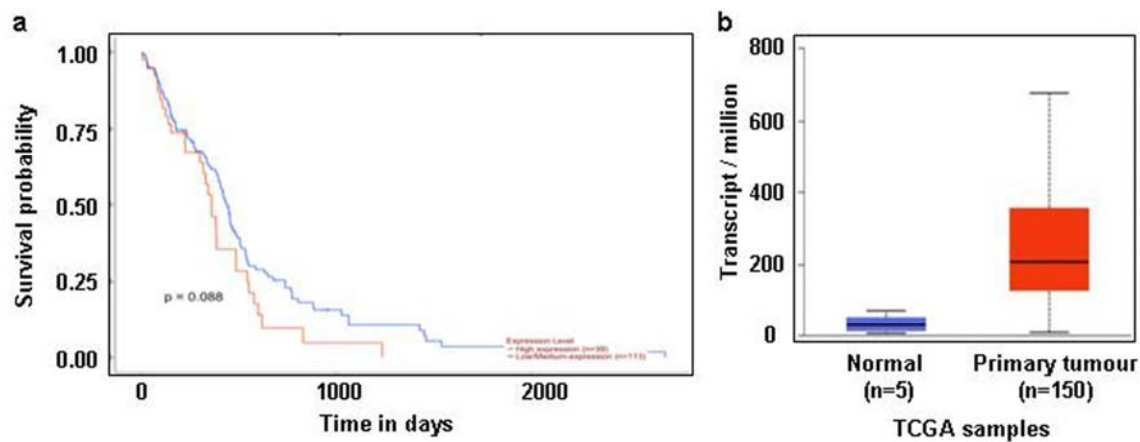
Figure S4: (a) *In silico* analysis with the data from The Cancer Genome Atlas (TCGA) for the relative CD44 expression in normal (n=5) and primary tumor (n=156) samples using the ULCAN web. (b) The survival rates of patients with GBM having low (blue) or high (red) CD44 expression, as estimated by the Kaplan-Meier method.