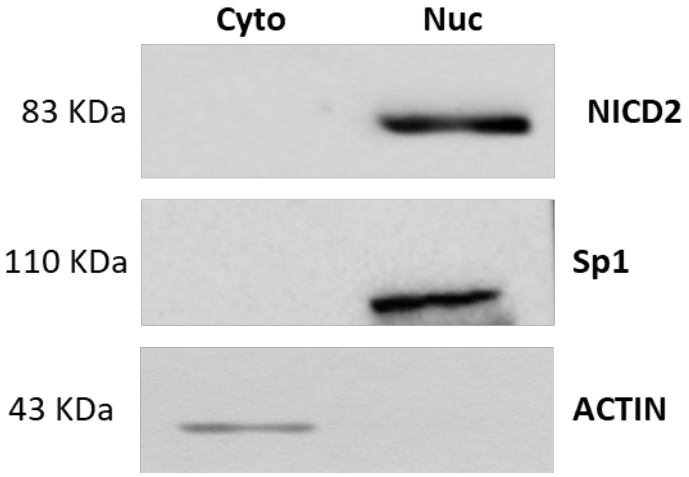


**Figure S1.** NICD2 localization in KNS42 after nucleus/cytoplasm fractionation. Western blot showing the subcellular localization of NICD2 in KNS42. NICD2 expression was analyzed both in the cytosolic (Cyto) and nuclear (Nuc) fractions. Sp1 and β-actin were used as loading controls and as markers for purity of Cyto and Nuc fractions, respectively.

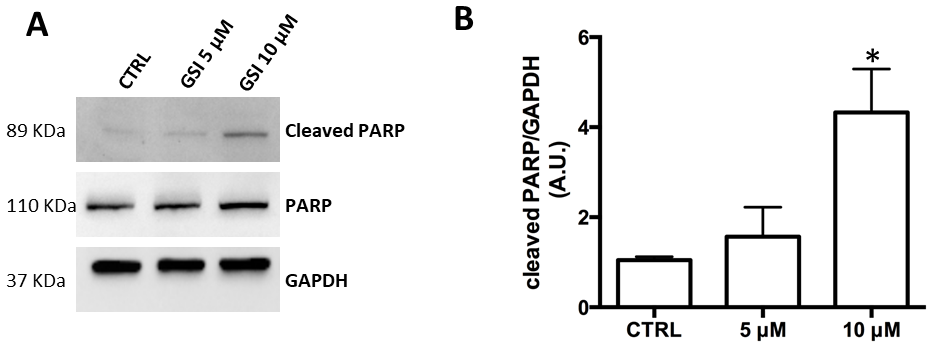


**Figure S2.** Cleaved PARP expression in KNS42 after GSI treatment. **(a)** Western blot showing the cleaved and the total form of PARP after 96h of GSI treatment at 5 and 10 µM. **(b)** Relative quantification of the level of expression of cleaved PARP after GSI treatment. GAPDH was used as loading control. *$p < 0.05$ *vs* CTRL.

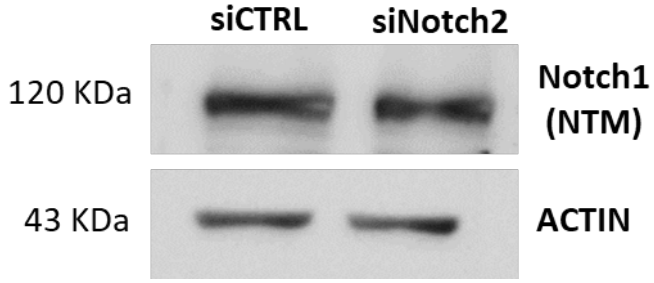


**Figure S3.** Notch1 expression in KNS42 cells after siRNA-mediated knockdown of Notch2. Western blot analysis of Notch1 levels 96 hours after Notch2 silencing in KNS42 cells.

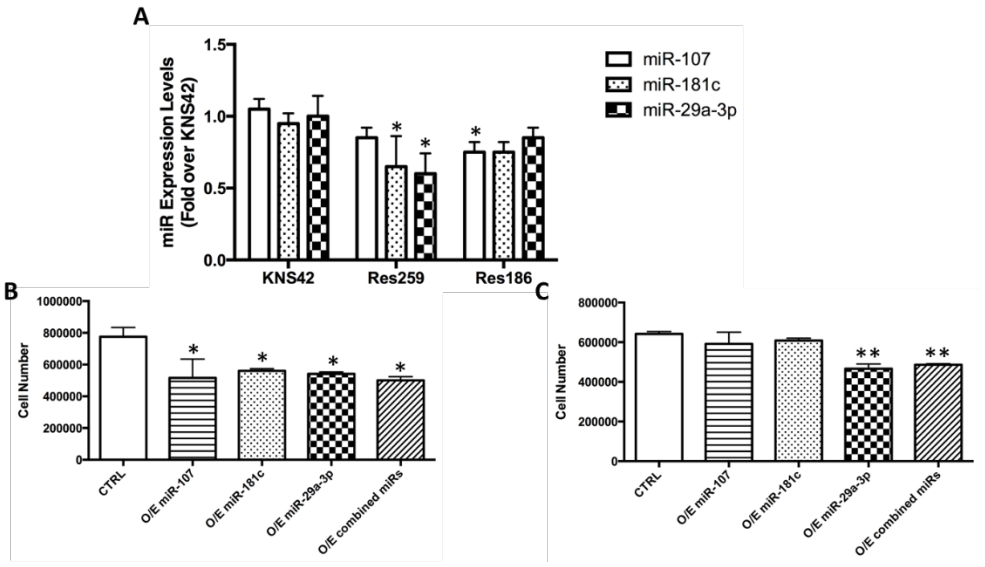


**Figure S4.** miR-107, miR-181c and miR-29a-3p inhibit glioma cell proliferation. **(a)** Single assay qPCR of miR-107, miR-181c, and miR-29a-3p expression in KNS42 cells versus Res259 and Res186, a grade II and a grade I pediatric glioma derived cell line, respectively. **(b-c)** Res259 **(b)** and Res186 **(c)** cells were transfected with the three microRNAs, separately and combined. Cell proliferation was evaluated 48 hours-post-transfection. **(a)** *p<0.05 *vs* KNS42. **(b-c)** *p<0.05, **p<0.01 *vs* CTRL.

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**Figure S5.** Region of the Notch2R 3′UTR cloned in the luciferase reporter vector. Underlined and bold is the binding site for miR-29a-3p.