

**Inositol Polyphosphate-5-Phosphatase F (INPP5F) inhibits STAT3 activity
and suppresses gliomas tumorigenicity**

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Short title: INPP5F suppresses STAT3 and gliomagenesis

Key words: INPP5F, gliomas, STAT3 signaling

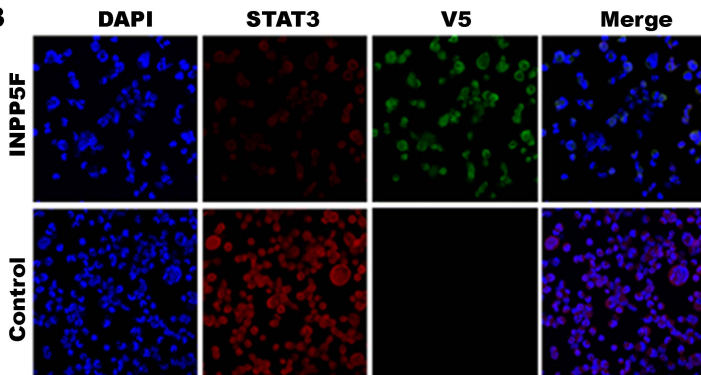
No potential conflicts of interest were disclosed.

SUPPLEMENTARY FIGURE LEGENDS

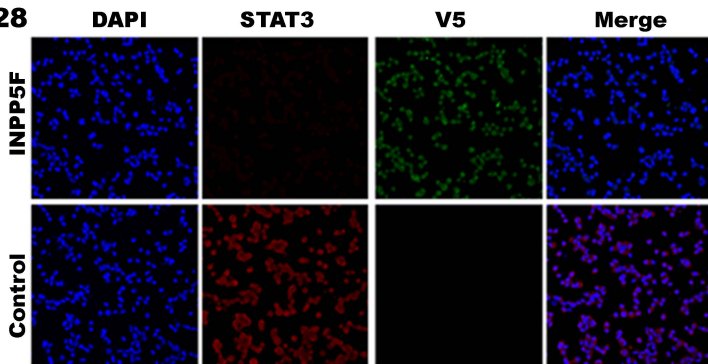
Figure S1. Conforcal microscopy analysis. GSCs were dissociated and seeded poly-ornithine coated cover slip contained 24 well plates and analyzed with confocal microscope (Zeiss). Both *INPP5F* overexpressed GSCs (923 and 1228) showed decreased STAT3 phosphorylation and translocation compared with their controls.

Figure S2. Kaplan-Meijer analysis of glioma patient survival associated with *INPP5F* copy number status. *INPP5F* expression is correlated with patient survivals when all types of glioma patient specimens are segregated based on their *INPP5F* copy number status using the REMBRANDT database. Deletion of *INPP5F* correlated with poor patient survival compared to that with unaltered *INPP5F* in REMBRANDT.

923



1228



Supplementary Fig. S2

