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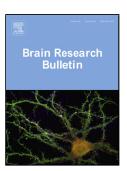
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ACCEPTED MANUSCRIPT

RNAi-mediated SYT14 knockdown inhibits the growth of human glioma cell line U87MG

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Highlight:

- Lentivirus-mediated small hairpin RNAs could silence the SYT14 gene.
- Knockdown of SYT14 promotes U87MG cell apoptosis
- Knockdown of SYT14 inhibits U87MG cell proliferation and colony formation.

Abstract: SYT14 (Synaptotagmin 14) participates in pathomechanical neurodegeneration and contributes to abnormal neurodevelopment. However, the functional mechanism of SYT14 in human glioma tumorigenesis remains unclear. In the present study, we measured the expression levels of SYT14 mRNA in human glioma cell lines, U373MG, U178, and U87MG and neural

¹ These two authors contributed equally to this work.

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