

LINC01857

The great importance of [long noncoding RNAs](#) (lncRNAs) has been acknowledged in [tumorigenesis](#) gradually. LncRNA LINC01857 is a novel lncRNA and has been reported to promote breast cancer progression. However, the biological roles of LINC01857 in glioma are not explored. In the present research, LINC01857 levels were found to be upregulated in glioma. In addition, LINC01857 expression is negatively correlated with survival rate in glioma patients. Functional investigation revealed that LINC01857 downregulation impaired glioma proliferation and invasiveness. Furthermore, LINC01857 knockdown led to repressed growth of glioma in vivo. We found that LINC01857 could be a sponge for miR-1281 and inhibits its level to upregulate TRIM65 expression. What's more, we showed that miR-1281 mimics also attenuated tumor cell proliferation, migration, and invasion. And rescue assays demonstrated that LINC01857 promotes glioma progression through modulating miR-1281/TRIM65 pathway. Collectively, this study first demonstrated that a novel LINC01857/miR-1281/TRIM65 signaling regulates glioma progression ¹⁾.

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Hu G, Liu N, Wang H, Wang Y, Guo Z. LncRNA LINC01857 promotes growth, migration, and invasion of glioma by modulating miR-1281/TRIM65 axis. J Cell Physiol. 2019 May 2. doi: 10.1002/jcp.28763. [Epub ahead of print] PubMed PMID: 31049960.

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