

U2AF2

U2AF2 (U2 Small Nuclear RNA Auxiliary Factor 2) is a Protein Coding gene. Diseases associated with U2AF2 include Frontotemporal Dementia and Spinocerebellar Ataxia 1. Among its related pathways are Cleavage of Growing Transcript in the Termination Region and Transport of Mature Transcript to Cytoplasm. Gene Ontology (GO) annotations related to this gene include nucleic acid binding and RNA binding. An important paralog of this gene is UHMK1.

Jiang et al. identified a novel feedback loop among U2AF2, cARF1, miR-342-3p, and ISL2 in GSCs. This feedback loop promoted glioma angiogenesis, and could provide an effective biomarker for glioma diagnosis and prognostic evaluation, as well as possibly being used for targeted therapy ¹⁾.

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Jiang Y, Zhou J, Zhao J, et al. The U2AF2 /circRNA ARF1/miR-342-3p/ISL2 feedback loop regulates angiogenesis in glioma stem cells. J Exp Clin Cancer Res. 2020;39(1):182. Published 2020 Sep 7. doi:10.1186/s13046-020-01691-y

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