

Fibronectin 1

The expression profile of [mRNAs](#) in GBM was detected by [RNA sequencing](#) and differentially expressed genes were identified by integrating the data from RNA-seq results and the GEPIA2 database. Of the total 40 hub genes, FN1, [P4HB](#), and PPIB showed prognostic significance based on both GEPIA2 and CGGA databases. The validation of FN1, P4HB, and PPIB expression by qPCR and correlation analysis with clinicopathological features were performed in 41 GBM tissues from our institution.

Results: Kaplan-Meier analysis revealed that FN1 and P4HB expression levels were related to the overall survival (OS) of GBM patients ($P < 0.05$). Multivariate analysis showed that FN1 overexpression ($HR = 9.199$, $P = 0.002$) was an independent and unfavorable prognostic factor for GBM patients. The median survival time was 8.5 months and 21 months for high and low expressions of FN1, respectively.

It was suggested that [FN1](#) could be an ideal target for prognosis and a potential therapeutic target in GBM ¹⁾.

¹⁾

Wu S, Liu C, Wei X, Nong WX, Lin LN, Li F, Xie XX, Liao XS, Luo B, Zhang QM, Xiao SW. High Expression of Fibronectin 1 Predicts a Poor Prognosis in Glioblastoma. Curr Med Sci. 2022 Oct 19. doi: 10.1007/s11596-022-2638-9. Epub ahead of print. PMID: 36260267.

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