

# TRIB2

In a study, Wang et al. identified tribbles pseudokinase 2 (TRIB2) as one of the [genes](#) that is most correlated with pathological classification, radioresistance, and [TMZ](#) resistance in [glioma](#). Additionally, the expression of mitogen-activated protein kinase kinase kinase 1 ([MAP3K1](#)) showed a strong correlation with TRIB2. Moreover, a combined increase in TRIB2 and MAP3K1 was observed in GBM and indicated a poor prognosis of patients with glioma. Finally, enriched TRIB2 expression and MAP3K1 expression were shown to be associated with resistance to TMZ and radiotherapy.

Combined elevation of TRIB2 and MAP3K1 could be novel prognostic biomarkers and potential therapeutic targets to evaluate the malignancy and long-term outcomes of GBM <sup>1)</sup>.

<sup>1)</sup>

Wang J, Zuo J, Wahafu A, Wang MD, Li RC, Xie WF. Combined elevation of TRIB2 and MAP3K1 indicates poor prognosis and chemoresistance to temozolomide in glioblastoma. CNS Neurosci Ther. 2019 Jul 18. doi: 10.1111/cns.13197. [Epub ahead of print] PubMed PMID: 31318172.

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