

High Mobility Group Protein

see [HMGB1](#)

High Mobility Group or HMG is a group of chromosomal [proteins](#) that are involved in the regulation of DNA-dependent processes such as [transcription](#), [replication](#), [recombination](#), and [DNA repair](#).

Association between HMGA1 expression and progression-free survival time (PFST) was analyzed. Three patients were confirmed with IDH-1 R132H mutations in both initial and recurrent groups (3/25, 12%). There was a significant difference in HMGA1 expression between initial and recurrent GBM ($P=0.002$), and patients with tumors expressing HMGA1 at higher level had a significantly shorter PFST (7.3 months versus 11.1months; $P=0.044$). Our study indicates that recurrent GBM express HMGA1 at a higher level and that HMGA1 overexpressoin is associated with shorter PFST in patients with GBM. These findings suggest that HMGA1 potentially plays an important role in the treatment of GBM ¹⁾

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Liu B, Pang B, Liu H, Arakawa Y, Zhang R, Feng B, Zhong P, Murata D, Fan H, Xin T, Zhao G, Liu W, Guo H, Luan L, Xu S, Miyamoto S, Pang Q. High mobility group A1 expression shows negative correlation with recurrence time in patients with glioblastoma multiforme. Pathol Res Pract. 2015 Aug;211(8):596-600. doi: 10.1016/j.prp.2015.05.004. Epub 2015 May 28. PubMed PMID: 26092597.

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