

[1]范文,廖正步,肖虹,等.大电导钙激活钾通道KCNMB2和KCNMB4在人不同WHO级别星形细胞瘤中的表达[J].第三军医大学学报,2014,36(17):1800-1804.

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大电导钙激活钾通道KCNMB2和KCNMB4在人不同WHO级别星形细胞瘤中的表达



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Title: Expression of KCNMB2 and KCNMB4 in human astrocytic tumors of different WHO grades

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关键词: [KCNMB2](#); [KCNMB4](#); [大电导钙激活钾通道](#); [星形细胞瘤](#); [WHO分级](#)

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摘要: 目的 观察大电导钙激活钾通道 (large conductance calcium-activated potassium, BK_{Ca}) B2亚基 (KCNMB2) 和B4亚基 (KCNMB4) 在人不同WHO级别星形细胞瘤中的表达变化, 探讨星形细胞肿瘤增殖、生长的分子机制。方法 收集人各个WHO级别星形细胞瘤标本69例, 另以15例外伤后脑减压术患者的正常脑组织作为对照。Western blot及免疫组织化学染色S-P法检测KCNMB2和KCNMB4的表达。结果 与正常脑组织相比, 星形细胞瘤组织中KCNMB2和KCNMB4的表达水平明显升高 ($P<0.05$)。KCNMB2的表达与星形细胞瘤的WHO分级有关 ($P<0.05$), 与性别、年龄及星形细胞瘤的部位无关 ($P>0.05$), 即KCNMB2的表达水

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平随着星形细胞瘤WHO级别的增高而升高。KCNMB4的表达与性别、年龄、星形细胞瘤的WHO分级及部位均无关 ($P>0.05$)。结论 KCNMB2和KCNMB4在星形细胞瘤中呈高表达,且KCNMB2表达与星形细胞瘤的WHO分级有关。

Abstract: **Objective** To determine the expression changes of large conductance calcium-activated potassium (BK_{Ca}) channel $\beta 2$ - (KCNMB2) and $\beta 4$ -subunits (KCNMB4) in human astrocytic tumors of different WHO grades, and to investigate the molecular mechanism of astrocytic tumor proliferation and growth. **Methods** Eighty-four brain specimens were obtained, including 15 normal brain specimens and 69 astrocytoma specimens with different WHO grades. Expression levels of KCNMB2 and KCNMB4 in these astrocytoma tissues were detected by immunohistochemical staining (IHC) and Western blotting. **Results** Compared with normal brain tissues, KCNMB2 and KCNMB4 were up-regulated in the astrocytoma tissues ($P<0.05$). The expression of KCNMB2 was correlated with WHO grade ($P<0.05$) rather than gender, age and the site of tumor ($P>0.05$). The stronger the expression of KCNMB2 was, the higher the tumor WHO grade was. The expression of KCNMB4 had no correlation with gender, age, WHO grade or the site of tumor ($P>0.05$). **Conclusion** KCNMB2 and KCNMB4 are highly expressed in astrocytoma tissues, and the expression of the former is related to the WHO grades of astrocytic tumor.

参考文献/References:

范文, 廖正步, 肖虹, 等. 大电导钙激活钾通道KCNMB2和KCNMB4在人不同WHO级别星形细胞瘤中的表达[J]. 第三军医大学学报, 2014, 36(17): 1800-1804.

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