

[1]郭启燕,龙友国,龙思方,等.贵州布依族人群载脂蛋白E基因多态性与血脂、载脂蛋白的关系[J].第三军医大学学报,2012,34(23):2395-2398.

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贵州布依族人群载脂蛋白E基因多态性与血脂、载脂蛋白

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Title: Relationship of apolipoprotein E polymorphism with serum lipid and apolipoprotein in Buyi ethnic minority group in Guizhou province

作者: [郭启燕](#); [龙友国](#); [龙思方](#); [江家志](#); [范平](#); [白怀](#)

贵州省黔南民族医学高等专科学校生物化学教研室; 四川大学华西第二医院遗传代谢性疾病及围生医学实验室

Author(s): [Guo Qiyang](#); [Long Youguo](#); [Long Sifang](#); [Jiang Jiazhi](#); [Fan Ping](#); [Bai Huai](#)
Department of Biochemistry, Qiannan Ethnic High Medical College, Duyun, Guizhou Province 558000; Laboratory of Genetic Diseases and Perinatology, West China Second University Hospital, Sichuan University, Chengdu, Sichuan Province, 610041, China

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摘要: 目的 研究贵州布依族人群载脂蛋白E基因多态性分布特征,分析apoE基因多态性对脂质代谢的影响。方法 应用聚合酶链反应-限制性片段长度多态性方法(PCR-RFLP)对贵州省黔南州201例布依族和217例汉族人群血样品进行apoE基因分型,并研究等位基因频率特征与血脂的关系。结果 201例布依族和217例汉族apoE2、E3、E4等位基因频率分别为:6.71%、82.34%、10.95%;9.22%、84.10%、6.68%,二者差异无统计学意义($P>0.05$)。与其他种族、民族人群比较,布依族E2、E3、E4等位基因频率处于中等水平。布、汉两民族apoE不同基因型亚组血脂、载脂蛋白、脂蛋白结果显示:与apoE2携带者(apoE2/2+E2/3+E2/4)比较,apoE3/3纯合子和apoE4携带者(apoE3/4+E4/4)血清TC、LDL-c、apoB水平均显著升高($P<0.01$)。结论 apoE基因型和等位基因频率存在民族、种族差异。布依族apoE基因多态性与血脂、载脂蛋白、脂蛋白水平有关。

Abstract: Objective To investigate the distribution features of apolipoprotein E (apoE) polymorphism and analyze the influence that apoE polymorphism on lipid metabolism. Methods By using polymerase chain reaction-restriction fragment length polymorphisms(PCR-RFLPS), blood samples of 201 subjects of Buyi ethnic group and 217 subjects of Han nationality in Qiannan, Guizhou Province

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were analyzed for apoE polymorphism. The relationship of allele frequencies and serum lipids was studied. Results The frequencies of apoE genotype $\epsilon 2$, $\epsilon 3$ and $\epsilon 4$ of allele frequencies were 6.71%, 82.34%, and 10.95% respectively for Buyi ethnic group, and 9.22%, 84.10% and 6.68% respectively for Han nationality ($P>0.05$). Compared with other races and nationalities, $\epsilon 2$, $\epsilon 3$ and $\epsilon 4$ allele frequencies were at a medium level. In both Buyi and Han nationalities, apoE2 carriers (apoE2/2+E2/3+E2/4), apoE3/3 homozygote and carriers with apoE4 (apoE3/4+E4/4) had higher serum levels of TC, LDL-C and apoB ($P<0.01$). Conclusion There is a frequency difference in the apoE genotype and allele among different national/ethnic population. apoE polymorphism in Buyi ethnic minority is associated with the serum level of lipid, apolipoprotein and lipoprotein.

参考文献/REFERENCES

郭启燕, 龙友国, 龙思方, 等. 贵州布依族人群载脂蛋白E基因多态性与血脂、载脂蛋白的关系[J]. 第三军医大学学报, 2012, 34(23): 2395-2398.

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